# ENGINEERING AND SPECIFICATIONS GUIDE

DUCT-FREE AIR CONDITIONING SYSTEMS • ART COOL • INVERTER • FLEX MULTI-SPLIT • FLOOR STANDING • CEILING CASSETTE • PTAC • PTHP • THROUGH-THE-WALL

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INNOVATIVE COMFORT SOLUTIONS

AT LG, WE BELIEVE COMFORT SHOULD ALWAYS BE BEAUTIFUL & INNOVATIVE.

LG
Life's Good

## MINI-SPLIT ART COOL, SINGLE ZONE AND INVERTER, SINGLE ZONE

9,900 and 11,500 BTUs
Heat Pump
**pg. 7,8**

9,000-24,000 BTUs
Heat Pump Inverter
**pg. 9-12**

## MINI-SPLIT STANDARD, HIGH EFFICIENT INVERTER, SINGLE ZONE

9,000-18,000 BTUs
Cooling and Heat Pump
**pg. 21-23**

24,000-30,000 BTUs
Heat Pump Inverter
**pg. 24-25**

9,000-24,000 BTUs
Heat Pump Inverter
**pg. 15-18**

## FLEX MULTI-SPLIT, DUAL-, TRI- & QUAD-ZONE

Dual-Zone : Mix and match for 18,000-24,000 BTUs
Tri-Zone : Mix and match for 27,000-33,000 BTUs
Quad-Zone : Mix and match for 36,000-48,000 BTUs
Heat Pump Inverter
**pg. 30-34**

## FLOOR STANDING AND CEILING CASSETTE, SINGLE ZONE

24,000 BTUs
Heat Pump Inverter
**pg. 49**

42,000 BTUs
Heat Pump Inverter
**pg. 49**

24,000 and 42,000 BTUs
Heat Pump Inverter
**pg. 50**

## THROUGH-THE-WALL

8,000-14,000 BTUs
Cooling
10,000-12,000 BTUs
Heat/Cool
**pg. 61-63**

## PACKAGED TERMINAL AIR CONDITIONERS

7,000-15,000 BTUs
Heat/Cool
7,000-15,000 BTUs
Heat Pump
**pg. 53-59**

## WINDOW AIR CONDITIONER

7,000-24,000 BTUs
Heat/Cool
**pg. 64**

## ART COOL DISPLAY RACK

Display (SS)
(model#: D-Rack)

Mirror Type
Display Model
(model#:
ASMC122ERH0)

Picture Type
Display Model
(model#: ASMC123F2G0)

Outdoor Display Model
(model#:ASMW093EUH0)

## WIRELESS WALL THERMOSTAT

Wireless
Environmental
Control Manager
(ECM) for PTACs

Wireless Energy Management
Digital Wall Thermosta for Duct-Free
Systems Applicable to 36V DC
indoor models(Single Zone) only



**Disclaimer: Items represented in this catalog may change without notice. LG is not responsible for information contained in this catalog that may have changed.
Please contact your LG Sales Representative for updated information.
See pages 13, 19, 26, 35 and 51 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

**See pages 13, 19, 26, 35 and 51 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

# THE LG HVAC ADVANTAGE

**Take advantage of our smart solutions for residential & commercial air conditioning applications.**

LG HVAC systems offer a range of solutions that are cost efficient, quiet and attractive. They provide a smart alternative to both central HVAC and window-mounted air conditioners, and are available in a variety of configurations to suit different cooling and heating situations.

## Split Systems

These innovative systems are “split” into indoor and outdoor units. The interior units are available in several different configurations: Art Cool, standard wall-mounted, Floor Standing and ceiling cassettes. All interior units have remote controls for easy use. Installation by a qualified HVAC contractor is safe and easy – no duct work or sheet metal is needed. Single, dual and tri-zone systems, as well as cooling only and heat pump models, are available.

## Through-The-Wall Models

LG’s Through-The-Wall models offer versatile, energy efficient solutions for residential and light commercial applications. Both cooling and heat/cool models are available in a variety of capacities, with most models ENERGY STAR® qualified. The standard size chassis fits into any competitive sleeve, making upgrades a breeze.

## PTAC Models

LG’s new PTAC units are perfect for lodging and healthcare applications. These units have an extremely low decibel level and outstanding sound prevention rating. Plus, LG models are efficient which translates into excellent energy savings.

## Feature Advantages:

Look for these key features throughout the LG line.

- **Attractive, customizable indoor units.** Art Cool provides numerous options to complement any décor. The Art Cool Customizable Art Panel works like a picture frame – any art or photograph can be displayed. Other Art Cool units come in a variety of beautiful colors and finishes to suit any room.
- **Multi Power System.™** Energy-saving twin compressors: one provides power at 60% capacity until the system reaches a desired temperature.

Then the smaller compressor takes over to provide sustained operation at 40% capacity.

- **Inverter.** Inverter heat pump air conditioners use a variable speed compressor, rather than the constant speed found in conventional ACs. Instead of shutting off once the desired temperature is reached, the inverter compressor continues to operate at low speed to maintain that temperature. It is quieter to operate and uses less energy than conventional ACs, which cycle on and off.

- **R-410A Refrigerant.** Environmentally friendly refrigerant utilized in the majority of LG systems.

NOTE: R-410A service port access will require a special adapter to attach standard 1/4" hoses. Ask your equipment supplier for more details.

- **Patented Plasma Air Purifying System.** The 4-stage system features a large, permanent filter and an electronic air purifier that captures microscopic contaminants like dust, mite, pollen and pet fur.
- **Art Cool Self-Cleaning Indoor Coil.** Drives dirt and moisture from coil surface leaving it clean and fresh smelling.
- **Dehumidifying Mode.** Indoor unit accurately senses room temperature and controls humidity by shutting down the compressor before a room is over-cooled.
- **Chaos Swing.** Electronically controlled louvers and fan speeds create a more natural, random flow of air, reducing temperature stratification.
- **Art Cool Three-way Cooling.** Air flows out of the unit from three directions, creating more natural circulation.
- **Jet Cool.** Operates at high speed for up to 30 minutes to quickly cool a room down to 64° F.
- **Swirl Wind.** Four-way controlled louvers and fan speeds create a stronger, wider air flow and reduce temperature stratification.
- **Auto Operation.** Provides three levels of comfort from which to choose. Temperature and fan speed will set automatically.
- **Manual Power Switch.** Easily accessed button allows for continued operation if the remote control is misplaced.
- **Defrost Control.** Shuts down the indoor fan to prevent cold air from being blown into the house. Removes frost from outdoor coil when the outdoor temperature is low (Heat Pump only).
- **Temperature Display.** Shows room temperature of interior unit.
- **Auto Sleep Mode.** Automatically increases the temperature setting 2° F twice (after 1/2 hour and one hour). The interior unit shuts off when the timer setting is reached.
- **Auto Restart.** Automatically restarts a unit to programmed setting when the electricity comes on after a power failure.

NOTE: All features are not available on all models. See product pages for details.





# ART COOL™

# ART COOL MINI-SPLIT SINGLE ZONE

## Customized good looks

The slim, contemporary styling of the Art Cool models will appeal to today’s discerning customer. The 9,000 and 12,000 BTU picture models come with a frame that allows the customer to modify and personalize the unit with their own artwork or photography – the ultimate in custom design. Other Art Cool indoor units are available in popular finishes and colors to compliment any décor.

Art Cool Duct-Free Mini-Split Air Conditioning Systems from LG maximize the efficiency and economics of duct-free technology. Now you can bring more attractive, cost-effective solutions to your commercial and residential customers, providing single zone systems in both air conditioning and heat pump models.

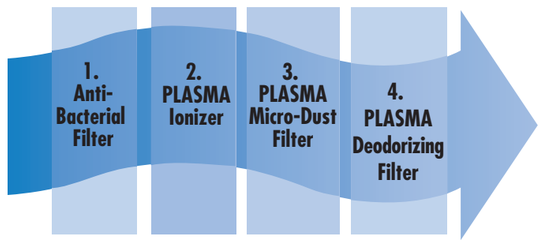
*Art Cool Picture 9,000-12,000 BTUs units only

### Available styles and finishes

Mini-Split
Art Cool Indoor Unit
Customizable Picture Art Panel

Mini-Split
Art Cool Inverter Indoor Unit
Mirror Finish

Standard Mirror | Organic Cream White | Art Flower Gold | Snow Flower White




## Outstanding **air purification**

The wall unit features LG’s PLASMA Air Purifying System that provides excellent indoor air quality. Freshen the air anytime, whether cooling a room or operating in fan only mode.

## HIGH WALL DUCT-FREE • ART COOL MINI-SPLIT SINGLE ZONE

# 9,000 BTUs

**LA096HNP** (H/P Model)

- C 9,900 BTUs **Cooling**
- H 9,900 BTUs **Heating**

### FEATURES:

- Customizable art panel
- R-410A Refrigerant
- Plasma Air Purifying System
- Self-cleaning indoor coil
- Dehumidifying mode
- Chaos Swing
- Three-way cooling
- Jet Cool
- Cooling mode
- Heating mode (H/P model only)
- Fan mode
- Auto operation
- Manual power switch
- Defrost control (H/P model only)
- Auto sleep mode
- Auto restart
- Built-in low ambient standard, down to 0ºF (cooling mode)
- 24-Hour on/off timer
- Evaporator frost control
- Gold Fin™ Anti-Corrosion

Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual

Exterior Unit Includes:

- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included) ETL# : 3091879

| System Model # | LA096HNP |
|---|---|
| Indoor Model # | LAN096HNP |
| Outdoor Model # | LAU096HNP |
| **Performance** | |
| Capacity (BTUs) | C 9,900 |
| | H 9,900 |
| SEER | 13 |
| Air Circulation (CFM H/M/L) | 330/261/194 |
| Fan Speeds | 4/Auto/Chaos |
| Dehumidification (pts/hour) | 3.0 |
| Indoor dB(A)* | 43/35/29 |
| Outdoor dB(A)* | 48 |
| **Electrical** | |
| Rated Voltage Outdoor | 115-60-1 |
| Rated Voltage Indoor | 36V DC |
| **Indoor Dimensions** | 23 5/8 x |
| W x H x D (inches) | 23 5/8 x |
| | 5 3/4 |
| Weight (lbs.) | 33.1 |
| **Outdoor Dimensions** | 30 5/16 x |
| W x H x D (inches) | 21 5/16 x |
| | 9 5/8 |
| Weight (lbs.) | 70.5 |
| **Thermostat Range** | |
| Cooling / Heating (°F) | 64-86/60-86 |

*LG verified sound ratings



Warranty: 3 years parts; 5 years compressor.
See page 13 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.

## HIGH WALL DUCT-FREE • ART COOL MINI-SPLIT SINGLE ZONE

# 12,000 BTUs

**LA126HNP** (H/P Model)

- C 11,500 BTUs **Cooling**
- H 11,000 BTUs **Heating**

### FEATURES:

- Customizable art panel
- R-410A Refrigerant
- Plasma Air Purifying System
- Self-cleaning indoor coil
- Dehumidifying mode
- Chaos Swing
- Three-way cooling
- Jet Cool
- Cooling mode
- Heating mode (H/P model only)
- Fan mode
- Auto operation
- Manual power switch
- Defrost control (H/P model only)
- Auto sleep mode
- Auto restart
- Built-in low ambient standard, down to 0ºF (cooling mode)
- 24-Hour on/off timer
- Evaporator frost control
- Gold Fin™ Anti-Corrosion

Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual

Exterior Unit Includes:

- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included) ETL# : 3091879

| System Model # | LA126HNP |
|---|---|
| Indoor Model # | LAN126HNP |
| Outdoor Model # | LAU126HNP |
| **Performance** | |
| Capacity (BTUs) | C 11,500 |
| | H 11,000 |
| SEER | 13 |
| Air Circulation (CFM H/M/L) | 330/261/194 |
| Fan Speeds | 4/Auto/Chaos |
| Dehumidification (pts/hour) | 3.0 |
| Indoor dB(A)* | 43/35/29 |
| Outdoor dB(A)* | 48 |
| **Electrical** | |
| Rated Voltage Outdoor | 115-60-1 |
| Rated Voltage Indoor | 36V DC |
| **Indoor Dimensions** | 23 5/8 x |
| W x H x D (inches) | 23 5/8 x |
| | 5 3/4 |
| Weight (lbs.) | 33.1 |
| **Outdoor Dimensions** | 30 5/16 x |
| W x H x D (inches) | 21 5/16 x |
| | 9 5/8 |
| Weight (lbs.) | 70.5 |
| **Thermostat Range** | |
| Cooling / Heating (°F) | 64-86/60-86 |

*LG verified sound ratings

Warranty: 3 years parts; 5 years compressor.
See page 13 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.

## HIGH WALL DUCT-FREE • ART COOL MINI-SPLIT SINGLE ZONE • INVERTER

# 9,000 BTUs

**LA096HV** (H/P Model)
C 9,000 BTUs Cooling
H 11,700 BTUs Heating

Standard Mirror
PSAPECR10

Organic Cream White
PSAPECW10

Art Flower Gold
PSAPECF10

Snow Flower White
PSAPECT10

Eligible for Tax Benefit

Inverter

## FEATURES:

- Inverter(Variable speed compressor)
- R-410A Refrigerant
- Plasma air purifying system
- Chaos Swing
- Self-cleaning indoor coil
- Auto changeover
- Jet Cool
- Cooling/Heating/Fan Mode
- Auto sleep mode
- Ultra-quiet operation
- Dehumidifying mode
- Auto restart
- 24-Hour on/off timer
- Built-in low ambient standard, down to 14ºF (cooling mode)
- Manual power switch
- Defrost control
- Temperature display on indoor unit
- Evaporator frost control
- Energy Saving
- Gold Fin™ Anti-Corrosion

### Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual
- Standard mirror panel

### Exterior Unit Includes:

- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

ETL# : 3091879

| | |
|---|---|
| **System Model #** | **LA096HV** |
| Indoor Model # | LAN096HV |
| Outdoor Model # | LAU096HV |
| **Performance** | |
| Capacity (BTUs) | C 9,000<br>H 11,700 |
| SEER | 19 |
| Air Circulation (CFM H/M/L) | 230/180/140 |
| Fan Speeds | 5/Auto/Chaos |
| Dehumidification (pts/hr) | 2.6 |
| Indoor dB(A)* | 38/35/32 |
| Outdoor dB(A)* | 48 |
| **Electrical** | |
| Rated Voltage Outdoor | 230/208-60-1 |
| Rated Voltage Indoor | 230/208-60-1 |
| **Indoor Dimensions** | 35 3/16 x |
| W x H x D (inches) | 11 1/8 x |
| | 6 1/2 |
| Weight (lbs.) | 23.1 |
| **Outdoor Dimensions** | 30 5/16 x |
| W x H x D (inches) | 21 5/16 x |
| | 9 5/8 |
| Weight (lbs.) | 83.8 |
| **Thermostat Range** | |
| Cooling / Heating (°F) | 64-86/60-86 |

*LG verified sound ratings



Warranty: 3 years parts; 5 years compressor.
See page 13 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.

## HIGH WALL DUCT-FREE • ART COOL MINI-SPLIT SINGLE ZONE • INVERTER

# 12,000 BTUs

**LA126HV** (H/P Model)
C 11,800 BTUs Cooling
H 15,100 BTUs Heating

Standard Mirror
PSAPECR10

Organic Cream White
PSAPECW10

Art Flower Gold
PSAPECF10

Snow Flower White
PSAPECT10

Inverter

## FEATURES:

- Inverter(Variable speed compressor)
- R-410A Refrigerant
- Plasma air purifying system
- Chaos Swing
- Self-cleaning indoor coil
- Auto changeover
- Jet Cool
- Cooling/Heating/Fan Mode
- Auto sleep mode
- Ultra-quiet operation
- Dehumidifying mode
- Auto restart
- 24-Hour on/off timer
- Built-in low ambient standard, down to 14ºF (cooling mode)
- Manual power switch
- Defrost control
- Temperature display on indoor unit
- Evaporator frost control
- Energy Saving
- Gold Fin™ Anti-Corrosion

### Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual
- Standard mirror panel

### Exterior Unit Includes:

- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

ETL# : 3091879

| | |
|---|---|
| **System Model #** | **LA126HV** |
| Indoor Model # | LAN126HV |
| Outdoor Model # | LAU126HV |
| **Performance** | |
| Capacity (BTUs) | C 11,800<br>H 15,100 |
| SEER | 18 |
| Air Circulation (CFM H/M/L) | 260/180/140 |
| Fan Speeds | 5/Auto/Chaos |
| Dehumidification (pts/hr) | 3.0 |
| Indoor dB(A)* | 41/35/32 |
| Outdoor dB(A)* | 48 |
| **Electrical** | |
| Rated Voltage Outdoor | 230/208-60-1 |
| Rated Voltage Indoor | 230/208-60-1 |
| **Indoor Dimensions** | 35 3/16 x |
| W x H x D (inches) | 11 1/8 x |
| | 6 1/2 |
| Weight (lbs.) | 23.1 |
| **Outdoor Dimensions** | 30 5/16 x |
| W x H x D (inches) | 21 5/16 x |
| | 9 5/8 |
| Weight (lbs.) | 83.8 |
| **Thermostat Range** | |
| Cooling / Heating (°F) | 64-86/60-86 |

*LG verified sound ratings

Warranty: 3 years parts; 5 years compressor.
See page 13 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.

## HIGH WALL DUCT-FREE • ART COOL MINI-SPLIT SINGLE ZONE • INVERTER

# 18,000 BTUs

**LA186HV** (H/P Model)
C 17,600 BTUs Cooling
H 20,400 BTUs Heating

Standard Mirror
PSAP8CR10

Organic Cream White
PSAP8CW10

Art Flower Gold
PSAP8CF10

Snow Flower White
PSAP8CT10

## FEATURES:

- Inverter(Variable speed compressor)
- R-410A Refrigerant
- Plasma air purifying system
- Chaos Swing
- Self-cleaning indoor coil
- Auto changeover
- Jet Cool
- Cooling/Heating/Fan Mode
- Auto sleep mode
- Ultra-quiet operation
- Dehumidifying mode
- Auto restart
- 24-Hour on/off timer
- Built-in low ambient standard, down to 14ºF (cooling mode)
- Manual power switch
- Defrost control
- Temperature display on indoor unit
- Evaporator frost control
- Energy Saving
- Gold Fin™ Anti-Corrosion

### Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual
- Standard mirror panel

### Exterior Unit Includes:

- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

**ETL# : 3091879**

| System Model # | LA186HV |
|---|---|
| Indoor Model # | LAN186HV |
| Outdoor Model # | LAU186HV |
| **Performance** | |
| Capacity (BTUs) | C 17,600 |
| | H 20,400 |
| SEER | 15 |
| Air Circulation (CFM H/M/L) | 460/380/320 |
| Fan Speeds | 5/Auto/Chaos |
| Dehumidification (pts/hr) | 5.3 |
| Indoor dB(A)* | 42/39/36 |
| Outdoor dB(A)* | 55 |
| **Electrical** | |
| Rated Voltage Outdoor | 230/208-60-1 |
| Rated Voltage Indoor | 230/208-60-1 |
| **Indoor Dimensions** | 43 11/16 x |
| W x H x D (inches) | 11 3/4 x |
| | 7 7/8 |
| Weight (lbs.) | 31.1 |
| **Outdoor Dimensions** | 34 5/16 x |
| W x H x D (inches) | 25 13/16 x |
| | 12 5/8 |
| Weight (lbs.) | 101.4 |
| **Thermostat Range** | |
| Cooling / Heating (°F) | 64-86/60-86 |

*LG verified sound ratings



**Warranty: 3 years parts; 5 years compressor.**
**See page 13 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## HIGH WALL DUCT-FREE • ART COOL MINI-SPLIT SINGLE ZONE • INVERTER

# 24,000 BTUs

**LA246HV** (H/P Model)
C 24,200 BTUs Cooling
H 27,000 BTUs Heating

Standard Mirror
PSAP8CR10

Organic Cream White
PSAP8CW10

Art Flower Gold
PSAP8CF10

Snow Flower White
PSAP8CT10

## FEATURES:

- Inverter(Variable speed compressor)
- R-410A Refrigerant
- Plasma air purifying system
- Chaos Swing
- Self-cleaning indoor coil
- Auto changeover
- Jet Cool
- Cooling/Heating/Fan Mode
- Auto sleep mode
- Ultra-quiet operation
- Dehumidifying mode
- Auto restart
- 24-Hour on/off timer
- Built-in low ambient standard, down to 14ºF (cooling mode)
- Manual power switch
- Defrost control
- Temperature display on indoor unit
- Evaporator frost control
- Energy Saving
- Gold Fin™ Anti-Corrosion

### Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual
- Standard mirror panel

### Exterior Unit Includes:

- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

**ETL# : 3091879**

| System Model # | LA246HV |
|---|---|
| Indoor Model # | LAN246HV |
| Outdoor Model # | LAU246HV |
| **Performance** | |
| Capacity (BTUs) | C 24,200 |
| | H 27,000 |
| SEER | 15.6 |
| Air Circulation (CFM H/M/L) | 530/445/378 |
| Fan Speeds | 5/Auto/Chaos |
| Dehumidification (pts/hr) | 6.6 |
| Indoor dB(A)* | 47/42/39 |
| Outdoor dB(A)* | 56 |
| **Electrical** | |
| Rated Voltage Outdoor | 230/208-60-1 |
| Rated Voltage Indoor | 230/208-60-1 |
| **Indoor Dimensions** | 43 11/16 x |
| W x H x D (inches) | 11 3/4 x |
| | 7 7/8 |
| Weight (lbs.) | 31.1 |
| **Outdoor Dimensions** | 34 5/16 x |
| W x H x D (inches) | 31 1/2 x |
| | 12 5/8 |
| Weight (lbs.) | 132.3 |
| **Thermostat Range** | |
| Cooling / Heating (°F) | 64-86/60-86 |

*LG verified sound ratings

**Warranty: 3 years parts; 5 years compressor.**
**See page 13 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## ELECTRICAL & REFRIGERATION • QUICK REFERENCE

### Electrical Specifications

| Art Cool | Type | | Model | BTUs | Voltage Indoor | Voltage Outdoor | Rated Amps | MCA* | MOP** |
|---|---|---|---|---|---|---|---|---|---|
| Single-Zone | H/P | C H | LA096HNP | 9,900 | 36V DC | 115 | 7.2 | 15 | 20 |
| | H/P | C H | LA126HNP | 11,500 | 36V DC | 115 | 9.3 | 15 | 20 |
| | H/P | C H | LA096HV | 9,000 | 230/208 | 230/208 | 3.2/3.5 | 8.2 | 15 |
| | H/P | C H | LA126HV | 11,800 | 230/208 | 230/208 | 5.0/5.5 | 9.9 | 15 |
| | H/P | C H | LA186HV | 17,600 | 230/208 | 230/208 | 7.3/8.0 | 12.4 | 20 |
| | H/P | C H | LA246HV | 24,200 | 230/208 | 230/208 | 11.0/12.1 | 16.7 | 25 |

All equipment single phase.
NOTE: Please see local electrical codes for proper wire specifications.

***Minimum Circuit Ampacity**
****Maximum Overcurrent Protection**

**Wire Size**
Minimum wiring requirements suggested by manufacturer.

| | |
|---|---|
| Minimum AWG | 14-3 |
| Indoor/Outdoor Connecting Cable Minimum AWG | 18-4 |

### Refrigerant Line Specifications***

| Art Cool | Type | | Model | BTUs | Pipe Size Liquid | Pipe Size Suction | Additional Refrigerant | Max. Pipe Length | Max. Elevation |
|---|---|---|---|---|---|---|---|---|---|
| Single-Zone | H/P | C H | LA096HNP | 9,900 | 1/4" | 1/2" | 0.22 oz./ft. | 49' | 25' |
| | H/P | C H | LA126HNP | 11,500 | 1/4" | 1/2" | 0.22 oz./ft. | 49' | 25' |
| | H/P | C H | LA096HV | 9,000 | 1/4" | 3/8" | 0.22 oz./ft. | 49' | 25' |
| | H/P | C H | LA126HV | 11,800 | 1/4" | 3/8" | 0.22 oz./ft. | 49' | 25' |
| | H/P | C H | LA186HV | 17,600 | 1/4" | 1/2" | 0.22 oz./ft. | 49' | 25' |
| | H/P | C H | LA246HV | 24,200 | 3/8" | 5/8" | 0.33 oz./ft. | 98' | 49' |

***Each system is pre-charged with enough refrigerant to charge 25 ft. of line and the interior unit.

Except for LA***HV models, Systems having the outdoor unit mounted above the indoor unit (e.g., basement installations) have the following additional requirement: For systems with maximum elevation of 25 ft. (see chart above and Figure A), refrigerant lines must be oil trapped between 8 ft. and 16.4 ft. of elevation.For systems with elevation of greater than 25 ft. (see chart above), refrigerant lines must be oil trapped at least every 16.4 ft. of elevation.

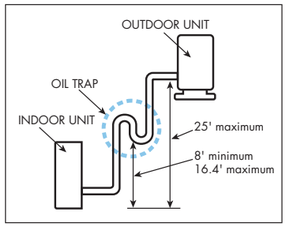



Figure A.
Example: 25 ft. maximum elevation.





# MINI-SPLIT HIGH EFFICIENT AIR CONDITIONERS SINGLE-ZONE.

LG Electronics' products have led the global air conditioner market with excellent performance and innovative design. LSxxxHSV models, a brilliant new addition to LG's lineup, are high-performance air conditioners with a high SEER inverter and excellent design.

Indoor Unit

Eligible for Tax Benefit

Inverter

Outdoor Unit

LG Life's Good

## HIGH WALL DUCT-FREE • MINI-SPLIT HIGH EFFICIENT SINGLE ZONE

### 9,000 BTUs / 12,000 BTUs

**LS091HSV** (H/P Model)
C 9,000 BTUs Cooling
H 10,800 BTUs Heating

**LS121HSV** (H/P Model)
C 11,200 BTUs Cooling
H 13,300 BTUs Heating

### FEATURES:

- Inverter (Variable speed compressor)
- Energy saving
- R410a Refrigerant
- Plasma air purifying system
- Gold Fin™ Anti-corrosion
- Allergy reduction filter
- Deodorizing filter
- Self-cleaning indoor coil
- Cooling/Heating/Fan mode
- Jet cool/Jet heat
- Chaos Swing
- 4-Way Auto Swing
- Ultra quiet operation
- Sleep mode
- Dehumidifying mode
- Auto restart
- Auto Changeover
- Built-in low ambient standard, down to 14˚F (cooling mode)
- 24-Hour on/off timer

Interior Unit Includes:
- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual
- Accessory
  -Model#:PQRCVSL0
  (Wired Wall Thermostat)

Exterior Unit Includes:
- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

ETL# : 3091879

| System Model # | LS091HSV | LS121HSV |
|---|---|---|
| Indoor Model # | LSN091HSV | LSN121HSV |
| Outdoor Model # | LSU091HSV | LSU121HSV |
| **Performance** | | |
| Capacity (BTUs) | C 9,000<br>H 10,800 | C 11,200<br>H 13,300 |
| SEER | 20 | 20 |
| Air Circulation (CFM H/M/L) | 250/210/170 | 250/210/170 |
| Fan Speeds | 4/Auto/Chaos | 4/Auto/Chaos |
| Dehumidification (pts/hr) | 2.6 | 3.0 |
| Indoor dB(A)* | 38/33/24/19 | 39/33/24/19 |
| Outdoor dB(A)* | 45 | 45 |
| **Electrical** | | |
| Rated Voltage Outdoor | 230/208-60-1 | 230/208-60-1 |
| Rated Voltage Indoor | 230/208-60-1 | 230/208-60-1 |
| **Indoor Dimensions** | 35 1/5 x | 35 1/5 x |
| W x H x D (inches) | 11 1/5 x | 11 1/5 x |
| | 7 7/10 | 7 7/10 |
| Weight (lbs.) | 24.5 | 24.5 |
| **Outdoor Dimensions** | 30 3/10 x | 30 3/10 x |
| W x H x D (inches) | 21 1/2 x | 21 1/2 x |
| | 11.3/10 | 11.3/10 |
| Weight (lbs.) | 77.2 | 77.2 |
| **Thermostat Range** | | |
| Cooling / Heating (°F) | 64-86/60-86 | 64-86/60-86 |

*LG verified sound ratings



Warranty: 2 years parts; 5 years compressor.
See page 19 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.

## HIGH WALL DUCT-FREE • MINI-SPLIT HIGH EFFICIENT SINGLE ZONE

### 16,000 BTUs

**LS161HSV** (H/P Model)
C 16,300 BTUs Cooling
H 20,200 BTUs Heating

### FEATURES:

- Inverter (Variable speed compressor)
- Energy saving
- R410a Refrigerant
- Plasma air purifying system
- Gold Fin™ Anti-corrosion
- Allergy reduction filter
- Deodorizing filter
- Self-cleaning indoor coil
- Cooling/Heating/Fan mode
- Jet cool/Jet heat
- Chaos Swing
- 4-Way Auto Swing
- Ultra quiet operation
- Sleep mode
- Dehumidifying mode
- Auto restart
- Auto Changeover
- Built-in low ambient standard, down to 14˚F (cooling mode)
- 24-Hour on/off timer

Interior Unit Includes:
- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual
- Accessory
  -Model#:PQRCVSL0
  (Wired Wall Thermostat)

Exterior Unit Includes:
- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

ETL# : 3091879

| System Model # | LS161HSV |
|---|---|
| Indoor Model # | LSN161HSV |
| Outdoor Model # | LSU161HSV |
| **Performance** | |
| Capacity (BTUs) | C 16,300<br>H 20,200 |
| SEER | 19 |
| Air Circulation (CFM H/M/L) | 330/280/230 |
| Fan Speeds | 4/Auto/Chaos |
| Dehumidification (pts/hr) | 3.0 |
| Indoor dB(A)* | 42/38/34 |
| Outdoor dB(A)* | 51 |
| **Electrical** | |
| Rated Voltage Outdoor | 230/208-60-1 |
| Rated Voltage Indoor | 230/208-60-1 |
| **Indoor Dimensions** | 40 3/5 x |
| W x H x D (inches) | 12 4/5 x |
| | 9 21/25 |
| Weight (lbs.) | 37.5 |
| **Outdoor Dimensions** | 34 3/10 x |
| W x H x D (inches) | 25 15/19 x |
| | 12 3/5 |
| Weight (lbs.) | 101.4 |
| **Thermostat Range** | |
| Cooling / Heating (°F) | 64-86/60-86 |

*LG verified sound ratings

Warranty: 2 years parts; 5 years compressor.
See page 19 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.

## HIGH WALL DUCT-FREE • MINI-SPLIT HIGH EFFICIENT SINGLE ZONE

### 18,000 BTUs

**LS181HSV** (H/P Model)
C 18,000 BTUs Cooling
H 20,600 BTUs Heating

* Available from June 2010

### FEATURES:

- **Inverter (Variable speed compressor)**
- **Energy saving**
- **R410a Refrigerant**
- **Plasma air purifying system**
- **Gold Fin™ Anti-corrosion**
- **Allergy reduction filter**
- **Deodorizing filter**
- **Self-cleaning indoor coil**
- **Cooling/Heating/Fan mode**
- **Jet cool/Jet heat**
- **Chaos Swing**
- **4-Way Auto Swing**
- **Ultra quiet operation**
- **Sleep mode**
- **Dehumidifying mode**
- **Auto restart**
- **Auto Changeover**
- **Built-in low ambient standard, down to 14˚F (cooling mode)**
- **24-Hour on/off timer**

Interior Unit Includes:

- **Wall unit**
- **Installation plate & hardware**
- **Remote control, batteries, holder & holder hardware**
- **Installation manual**
- **Accessory**
  **-Model#:PQRCVSL0**
  **(Wired Wall Thermostat)**

Exterior Unit Includes:

- **Exterior unit**
- **Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)**

**ETL# : 3091879**

* Specification can be changed without notification

| **System Model #** | **LS181HSV** |
|---|---|
| Indoor Model # | LSN181HSV |
| Outdoor Model # | LSU181HSV |
| **Performance** | |
| Capacity (BTUs) | C 18,000 |
| | H 20,600 |
| SEER | 17.8 |
| Air Circulation (CFM H/M/L) | 600/510/420 |
| Fan Speeds | 6/Auto/Chaos |
| Dehumidification (pts/hr) | 5.5 |
| Indoor dB(A)* | 45/40/34 |
| Outdoor dB(A)* | 52 |
| **Electrical** | |
| Rated Voltage Outdoor | 230/208-60-1 |
| Rated Voltage Indoor | 230/208-60-1 |
| **Indoor Dimensions** | 40 3/5 x |
| W x H x D (inches) | 12 4/5 x |
| | 9 21/25 |
| Weight (lbs.) | 37.5 |
| **Outdoor Dimensions** | 34 3/10 x |
| W x H x D (inches) | 31 1/2 x |
| | 12 3/5 |
| Weight (lbs.) | 132.3 |
| **Thermostat Range** | |
| Cooling / Heating (°F) | 64-86/60-86 |

*LG verified sound ratings



**Warranty: 2 years parts; 5 years compressor.**
**See page 19 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## HIGH WALL DUCT-FREE • MINI-SPLIT HIGH EFFICIENT SINGLE ZONE

### 24,000BTUs

**LS240HSV** (H/P Model)
C 24,000 BTUs Cooling
H 27,600 BTUs Heating

* Available from June 2010

### FEATURES:

- **Inverter (Variable speed compressor)**
- **Energy saving**
- **R410a Refrigerant**
- **Plasma air purifying system**
- **Gold Fin™ Anti-corrosion**
- **Allergy reduction filter**
- **Deodorizing filter**
- **Self-cleaning indoor coil**
- **Cooling/Heating/Fan mode**
- **Jet cool/Jet heat**
- **Chaos Swing**
- **4-Way Auto Swing**
- **Ultra quiet operation**
- **Sleep mode**
- **Dehumidifying mode**
- **Auto restart**
- **Auto Changeover**
- **Built-in low ambient standard, down to 14˚F (cooling mode)**
- **24-Hour on/off timer**

Interior Unit Includes:

- **Wall unit**
- **Installation plate & hardware**
- **Remote control, batteries, holder & holder hardware**
- **Installation manual**
- **Accessory**
  **-Model#:PQRCVSL0**
  **(Wired Wall Thermostat)**

Exterior Unit Includes:

- **Exterior unit**
- **Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)**

**ETL# : 3091879**

* Specification can be changed without notification

| **System Model #** | **LS240HSV** |
|---|---|
| Indoor Model # | LSN240HSV |
| Outdoor Model # | LSU240HSV |
| **Performance** | |
| Capacity (BTUs) | C 24,000 |
| | H 27,600 |
| SEER | 18 |
| Air Circulation (CFM H/M/L) | 600/510/420 |
| Fan Speeds | 6/Auto/Chaos |
| Dehumidification (pts/hr) | 6.0 |
| Indoor dB(A)* | 45/40/34 |
| Outdoor dB(A)* | 52 |
| **Electrical** | |
| Rated Voltage Outdoor | 230/208-60-1 |
| Rated Voltage Indoor | 230/208-60-1 |
| **Indoor Dimensions** | 40 3/5 x |
| W x H x D (inches) | 12 4/5 x |
| | 9 21/25 |
| Weight (lbs.) | 37.5 |
| **Outdoor Dimensions** | 34 3/10 x |
| W x H x D (inches) | 31 1/2 x |
| | 12 3/5 |
| Weight (lbs.) | 132.3 |
| **Thermostat Range** | |
| Cooling / Heating (°F) | 64-86/60-86 |

*LG verified sound ratings

**Warranty: 2 years parts; 5 years compressor.**
**See page 19 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## Accessory

Wired Wall Thermostat for High Efficient Single Zone Inverter.
(Applicable to LS091HSV, LS121HSV, LS161HSV,
LS181HSV, LS240HSV models only)

PQRCVSL0

## HIGH EFFICIENT SINGLE ZONE • INVERTER

### ELECTRICAL & REFRIGERATION • QUICK REFERENCE

**Electrical Specifications**

| Type | | Model | BTUs | Voltage | | Rated | MCA* | MOP** |
|---|---|---|---|---|---|---|---|---|
| High Efficint | | | | Indoor | Outdoor | Amps | | |
| H/P | C H | LS091HSV | 8,700 | 230/208 | 230/208 | 6.3/7.4 | 8.2 | 15 |
| H/P | C H | LS121HSV | 11,200 | 230/208 | 230/208 | 6.3/7.4 | 8.2 | 15 |
| H/P | C H | LS161HSV | 16,300 | 230/208 | 230/208 | 9.2/9.7 | 12.4 | 20 |
| H/P | C H | LS181HSV | 18,000 | 230/208 | 230/208 | 10.5/11.0 | 17.0 | 25 |
| H/P | C H | LS240HSV | 23,000 | 230/208 | 230/208 | 11.0/12.0 | 18.0 | 25 |

All equipment single phase.

NOTE: Please see local electrical codes for proper wire specifications.

***Minimum Circuit Ampacity**
****Maximum Overcurrent Protection**

**Wire Size**
Minimum wiring requirements suggested by manufacturer.

| | |
|---|---|
| Minimum AWG | 14-3 |
| Indoor/Outdoor Connecting Cable Minimum AWG | 18-4 |

**Refrigerant Line Specifications*****

| Type | | Model | BTUs | Pipe Size | | Additional | Max. Pipe | Max. |
|---|---|---|---|---|---|---|---|---|
| High Efficint | | | | Liquid | Suction | Refrigerant | Length | Elevation |
| H/P | C H | LS091HSV | 9,000 | 1/4" | 3/8" | 0.22 oz./ft. | 65' | 32' |
| H/P | C H | LS121HSV | 11,200 | 1/4" | 3/8" | 0.22 oz./ft. | 65' | 32' |
| H/P | C H | LS161HSV | 16,300 | 1/4" | 1/2" | 0.22 oz./ft. | 65' | 49' |
| H/P | C H | LS181HSV | 18,000 | 3/8" | 5/8" | 0.38 oz./ft. | 98' | 49' |
| H/P | C H | LS240HSV | 23,000 | 3/8" | 5/8" | 0.38 oz./ft. | 98' | 49' |

***Each system is pre-charged with enough refrigerant to charge 25 ft. of line and the interior unit.



# MINI-SPLIT HIGH EFFICIENT AIR CONDITONERS SINGLE ZONE

Mini-Split Standard systems utilize the same duct-free technology as Art Cool units in a streamlined, low profile design. Models are available in a variety of sizes from 9,000 through 30,000 BTUs. LG's Mini-split standard air conditioners are easy to install, efficient and cost effective.

**Available styles**

Mini-Split Standard Indoor Unit
White
9,000-18,000 BTUs

Heat Pump Inverter
White
24,000-30,000 BTUs

Inverter

Indoor Unit

Outdoor Unit

LOW 36V DC INDOOR UNIT OPERATION

*9,000 - 18,000 BTUs units only

LG Life's Good

## HIGH WALL DUCT-FREE • MINI-SPLIT STANDARD SINGLE ZONE

### 9,000 BTUs

**LS093CE** (A/C Model)
C 8,900 BTUs Cooling

**LS093HE** (H/P Model)
C 10,500 BTUs Cooling
H 10,500 BTUs Heating

### FEATURES:

- R-410A Refrigerant
- Plasma air purifying system
- Gold Fin™ Anti-corrosion
- Dehumidifying mode
- Chaos Swing
- Jet Cool
- Cooling mode
- Heating mode (H/P model only)
- Fan mode
- Auto operation
- Manual power switch
- Defrost control (H/P model only)
- Temperature display on indoor unit
- Auto sleep mode
- Auto restart
- 24-Hour on/off timer
- Built-in low ambient standard, down to 0°F (cooling mode)
- 4 Fan speeds
- Ultra-quiet operation
- Evaporator frost control

**Interior Unit Includes:**
- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual

**Exterior Unit Includes:**
- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

**ETL# : 3091879**

| System Model # | LS093CE | LS093HE |
|---|---|---|
| Indoor Model # | LSN093CE | LSN093HE |
| Outdoor Model # | LSU093CE | LSU093HE |
| **Performance** | | |
| Capacity (BTUs) | C 8,900 | C 10,500<br>H 10,500 |
| SEER | 13 | 13 |
| Air Circulation (CFM H/M/L) | 250/210/170 | 330/280/230 |
| Fan Speeds | 4/Auto/Chaos | 4/Auto/Chaos |
| Dehumidification (pts/hr) | 2.6 | 3.0 |
| Indoor dB(A)* | 36/31/28 | 41/36/34 |
| Outdoor dB(A)* | 48 | 48 |
| **Electrical** | | |
| Rated Voltage Outdoor | 115-60-1 | 115-60-1 |
| Rated Voltage Indoor | 36V DC | 36V DC |
| **Indoor Dimensions** | 33 1/16 x | 35 3/16 x |
| W x H x D (inches) | 10 5/8 x | 11 5/8 x |
| | 6 1/32 | 6 1/2 |
| Weight (lbs.) | 15.4 | 20.5 |
| **Outdoor Dimensions** | 30 5/16 x | 30 5/16 x |
| W x H x D (inches) | 21 5/16 x | 21 5/16 x |
| | 9 5/8 | 9 5/8 |
| Weight (lbs.) | 66.1 | 72.8 |
| **Thermostat Range** | | |
| Cooling / Heating (°F) | 64-86 | 64-86/60-86 |

*LG verified sound ratings



**Warranty: 2 years parts; 5 years compressor.**
**See page 26 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## HIGH WALL DUCT-FREE • MINI-SPLIT STANDARD SINGLE ZONE

### 12,000 BTUs

**LS122CE** (A/C Model)
C 11,500 BTUs Cooling

**LS122HE** (H/P Model)
C 11,500 BTUs Cooling
H 11,500 BTUs Heating

### FEATURES:

- R-410A Refrigerant
- Plasma air purifying system
- Gold Fin™ Anti-corrosion
- Dehumidifying mode
- Chaos Swing
- Jet Cool
- Cooling mode
- Heating mode (H/P model only)
- Fan mode
- Auto operation
- Manual power switch
- Defrost control (H/P model only)
- Temperature display on indoor unit
- Auto sleep mode
- Auto restart
- 24-Hour on/off timer
- Built-in low ambient standard, down to 0°F (cooling mode)
- 4 Fan speeds
- Ultra-quiet operation
- Evaporator frost control

**Interior Unit Includes:**
- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual

**Exterior Unit Includes:**
- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

**ETL# : 3091879**

| System Model # | LS122CE | LS122HE |
|---|---|---|
| Indoor Model # | LSN122CE | LSN122HE |
| Outdoor Model # | LSU122CE | LSU122HE |
| **Performance** | | |
| Capacity (BTUs) | C 11,500 | C 11,500<br>H 11,500 |
| SEER | 13 | 13 |
| Air Circulation (CFM H/M/L) | 330/280/230 | 330/280/230 |
| Fan Speeds | 4/Auto/Chaos | 4/Auto/Chaos |
| Dehumidification (pts/hr) | 3.0 | 3.0 |
| Indoor dB(A)* | 41/36/34 | 41/36/34 |
| Outdoor dB(A)* | 48 | 48 |
| **Electrical** | | |
| Rated Voltage Outdoor | 115-1-60 | 115-1-60 |
| Rated Voltage Indoor | 36V DC | 36V DC |
| **Indoor Dimensions** | 35 3/16 x | 35 3/16 x |
| W x H x D (inches) | 11 5/8 x | 11 5/8 x |
| | 6 1/2 | 6 1/2 |
| Weight (lbs.) | 20.5 | 20.5 |
| **Outdoor Dimensions** | 30 5/16 x | 30 5/16 x |
| W x H x D (inches) | 21 5/16 x | 21 5/16 x |
| | 9 5/8 | 9 5/8 |
| Weight (lbs.) | 72.8 | 72.8 |
| **Thermostat Range** | | |
| Cooling / Heating (°F) | 64-86 | 64-86/60-86 |

*LG verified sound ratings

**Warranty: 2 years parts; 5 years compressor.**
**See page 26 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## HIGH WALL DUCT-FREE • MINI-SPLIT STANDARD SINGLE ZONE

### 18,000 BTUs

**LS186CE** (A/C Model)
C 17,800 BTUs Cooling

**LS186HE** (H/P Model)
C 17,800 BTUs Cooling
H 17,800 BTUs Heating

### FEATURES:

- **Multi Power System™**
- **R-410A Refrigerant**
- **Plasma air purifying system**
- **Gold Fin™ Anti-corrosion**
- **Dehumidifying mode**
- **Chaos Swing**
- **Jet Cool**
- **Cooling mode**
- **Heating mode (H/P model only)**
- **Fan mode**
- **Auto operation**
- **Manual power switch**
- **Defrost control (H/P model only)**
- **Temperature display on indoor unit**
- **Auto sleep mode**
- **Auto restart**
- **24-Hour on/off timer**
- **Ultra-quiet operation**
- **Evaporator frost control**
- **4 Fan speeds**

Interior Unit Includes:
- **Wall unit**
- **Installation plate & hardware**
- **Remote control, batteries, holder & holder hardware**
- **Installation manual**

Exterior Unit Includes:
- **Exterior unit**
- **Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)**

**ETL# : 3091879**

| System Model # | LS186CE | LS186HE |
|---|---|---|
| Indoor Model # | LSN186CE | LSN186HE |
| Outdoor Model # | LSU186CE | LSU186HE |
| **Performance** | | |
| Capacity (BTUs) | C 17,800 | C 17,800<br>H 17,800 |
| SEER | 13 | 13 |
| Air Circulation (CFM H/M/L) | 560/490/430 | 560/490/430 |
| Fan Speeds | 4/Auto/Chaos | 4/Auto/Chaos |
| Dehumidification (pts/hr) | 5.8 | 5.8 |
| Indoor dB(A)* | 43/40/37 | 43/40/37 |
| Outdoor dB(A)* | 56 | 56 |
| **Electrical** | | |
| Rated Voltage Outdoor | 230/208-60-1 | 230/208-60-1 |
| Rated Voltage Indoor | 36V DC | 36V DC |
| **Indoor Dimensions** | 42 15/16 x | 42 15/16 x |
| W x H x D (inches) | 11 13/16 x | 11 13/16 x |
| | 7 1/32 | 7 1/32 |
| Weight (lbs.) | 28.6 | 28.6 |
| **Outdoor Dimensions** | 34 5/16 x | 34 5/16 x |
| W x H x D (inches) | 25 13/16 x | 25 13/16 x |
| | 12 5/8 | 12 5/8 |
| Weight (lbs.) | 125 | 125 |
| **Thermostat Range** | | |
| Cooling / Heating (°F) | 64-86 | 64-86/60-86 |

*LG verified sound ratings



**Warranty: 2 years parts; 5 years compressor.**
**See page 26 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## HIGH WALL DUCT-FREE • MINI-SPLIT STANDARD SINGLE ZONE • INVERTER

### 24,000 BTUs

**LS246HV** (H/P Model)
C 24,400 BTUs Cooling
H 26,000 BTUs Heating

- **Inverter(Variable speed compressor)**
- **R-410A Refrigerant**
- **Gold Fin™ Anti-Corrosion**
- **Chaos Swing**
- **Self-cleaning indoor coil**
- **Auto changeover**
- **Jet Cool**
- **Cooling/Heating/Fan Mode**
- **Auto sleep mode**
- **Ultra-quiet operation**
- **Dehumidifying mode**
- **Auto restart**
- **24-Hour on/off timer**
- **Built-in low ambient standard, down to 14ºF (cooling mode)**
- **Manual power switch**
- **Defrost control**
- **Temperature display on indoor unit**
- **Evaporator frost control**
- **Energy Saving**
- **4 Fan speeds**

Interior Unit Includes:
- **Wall unit**
- **Installation plate & hardware**
- **Remote control, batteries, holder & holder hardware**
- **Installation manual**

Exterior Unit Includes:
- **Exterior unit**
- **Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)**

**ETL# : 3091879**

| System Model # | LS246HV |
|---|---|
| Indoor Model # | LSN246HV |
| Outdoor Model # | LSU246HV |
| **Performance** | |
| Capacity (BTUs) | C 24,400<br>H 26,000 |
| SEER | 14.7 |
| Air Circulation (CFM H/M/L) | 530/450/370 |
| Fan Speeds | 4/Auto/Chaos |
| Dehumidification (pts/hr) | 6.6 |
| Indoor dB(A)* | 47/42/39 |
| Outdoor dB(A)* | 56 |
| **Electrical** | |
| Rated Voltage Outdoor | 230/208-60-1 |
| Rated Voltage Indoor | 230/208-60-1 |
| **Indoor Dimensions** | 42 15/16 x |
| W x H x D (inches) | 11 13/16 x |
| | 7 1/32 |
| Weight (lbs.) | 28.6 |
| **Outdoor Dimensions** | 34 5/16 x |
| W x H x D (inches) | 31 1/2 x |
| | 12 5/8 |
| Weight (lbs.) | 132.3 |
| **Thermostat Range** | |
| Cooling / Heating (°F) | 64-86/60-86 |

*LG verified sound ratings

**Warranty: 2 years parts; 5 years compressor.**
**See page 26 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## HIGH WALL DUCT-FREE • MINI-SPLIT STANDARD SINGLE ZONE • INVERTER

# 30,000 BTUs

**LS306HV** (H/P Model)
C 26,400 BTUs Cooling
H 29,000 BTUs Heating

## FEATURES:

- **Inverter(Variable speed compressor)**
- **R-410A Refrigerant**
- **Plasma air purifying system**
- **Gold Fin™ Anti-Corrosion**
- **Chaos Swing**
- **Self-cleaning indoor coil**
- **Auto changeover**
- **Jet Cool**
- **Cooling/Heating/Fan Mode**
- **Auto sleep mode**
- **Ultra-quiet operation**
- **Dehumidifying mode**
- **Auto restart**
- **24-Hour on/off timer**
- **Built-in low ambient standard, down to 14ºF (cooling mode)**
- **Manual power switch**
- **Defrost control**
- **Temperature display on indoor unit**
- **Evaporator frost control**
- **Energy Saving**
- **4 Fan speeds**

### Interior Unit Includes:

- **Wall unit**
- **Installation plate & hardware**
- **Remote control, batteries, holder & holder hardware**
- **Installation manual**

### Exterior Unit Includes:

- **Exterior unit**
- **Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)**

**ETL# : 3091879**

| **System Model #** | **LS306HV** |
|---|---|
| Indoor Model # | LSN306HV |
| Outdoor Model # | LSU306HV |
| **Performance** | |
| Capacity (BTUs) | C 26,400 |
| | H 29,000 |
| SEER | 15 |
| Air Circulation (CFM H/M/L) | 710/640/530 |
| Fan Speeds | 4/Auto/Chaos |
| Dehumidification (pts/hr) | 7.2 |
| Indoor dB(A)* | 47/42/39 |
| Outdoor dB(A)* | 58 |
| **Electrical** | |
| Rated Voltage Outdoor | 230/208-60-1 |
| Rated Voltage Indoor | 230/208-60-1 |
| **Indoor Dimensions** | 47 3/5 x |
| W x H x D (inches) | 13 3/5 x |
| | 8 1/4 |
| Weight (lbs.) | 37.5 |
| **Outdoor Dimensions** | 34 1/4 x |
| W x H x D (inches) | 31 1/4 x |
| | 12 3/5 |
| Weight (lbs.) | 147.7 |
| **Thermostat Range** | |
| Cooling / Heating (°F) | 64-86 /60-86 |

*LG verified sound ratings



**Warranty: 2 years parts; 5 years compressor.**
**See page 26 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## MINI-SPLIT STANDARD SINGLE ZONE

## ELECTRICAL & REFRIGERATION • QUICK REFERENCE

**Electrical Specifications**

| | Type | | System Model | BTUs | Voltage Indoor | Voltage Outdoor | Rated Amps | MCA* | MOP** |
|---|---|---|---|---|---|---|---|---|---|
| **Mini-Split** | A/C | C | LS093CE | 8,900 | 36V DC | 115 | 7.0 | 15 | 15 |
| **Standard** | A/C | C | LS122CE | 11,500 | 36V DC | 115 | 10.5 | 15 | 20 |
| **Single-Zone** | A/C | C | LS186CE | 17,800 | 36V DC | 230/208 | 9.3/10.3 | 15 | 20 |
| | H/P | C H | LS093HE | 9,800 | 36V DC | 115 | 10.5 | 15 | 20 |
| | H/P | C H | LS122HE | 11,500 | 36V DC | 115 | 10.5 | 15 | 20 |
| | H/P | C H | LS186HE | 17,800 | 36V DC | 230/208 | 9.3/10.3 | 20 | 30 |
| | H/P | C H | LS246HV | 24,000 | 230/208 | 230/208 | 12.1/11.0 | 16.7 | 25 |
| | H/P | C H | LS306HV | 26,400 | 230/208 | 230/208 | 13.6/14.0 | 17 | 30 |

All equipment single phase.

***Minimum Circuit Ampacity** ****Maximum Overcurrent Protection**
*****For LS182HE, LS242CE/HE**

NOTE: Please see local electrical codes for proper wire specifications.

**Wire Size**
Minimum wiring requirements suggested by manufacturer.

| | |
|---|---|
| Minimum AWG | 14-3<br>12-3*** |
| Indoor/Outdoor Connecting Cable Minimum AWG | 18-4 |

**Refrigerant Line & Formula Specifications†**

| | Type | System | BTUs Model | BTUs | Pipe Size Liquid | Pipe Size Suction | Additional Refrigerant | Max. length each pipe | Max. elevation |
|---|---|---|---|---|---|---|---|---|---|
| **Mini-Split** | A/C | C | LS093CE | 8,900 | 1/4" | 3/8" | 0.22 oz./ft. | 49' | 25' |
| **Standard** | A/C | C | LS122CE | 11,500 | 1/4" | 1/2" | 0.22 oz./ft. | 49' | 25' |
| **Single-Zone** | A/C | C | LS186CE | 17,800 | 1/4" | 1/2 " | 0.22 oz./ft. | 98' | 49' |
| | H/P | C H | LS093HE | 9,800 | 1/4" | 1/2" | 0.22 oz./ft. | 49' | 25' |
| | H/P | C H | LS122HE | 11,500 | 1/4" | 1/2" | 0.22 oz./ft. | 49' | 25' |
| | H/P | C H | LS186HE | 17,800 | 1/4" | 1/2" | 0.22 oz./ft. | 98' | 49' |
| | H/P | C H | LS246HV | 24,000 | 3/8" | 5/8" | 0.33 oz./ft. | 98' | 49' |
| | H/P | C H | LS306HV | 26,400 | 3/8" | 5/8" | 0.33 oz./ft. | 98' | 49' |

†Each system is pre-charged with enough refrigerant to charge 25 ft. of line and the interior unit.

Except for LS246HV, LS306HV model, Systems having the outdoor unit mounted above the indoor unit (e.g. basement installations) have the following additional requirement: For systems with elevation of 25 ft. (see chart above and figure A), refrigerant lines must be oil trapped between 8 ft. and 16.4 ft. of elevation. For systems with elevation of greater than 25 ft. (see chart above), refrigerant lines must be oil trapped at least every 16.4 ft. of elevation.

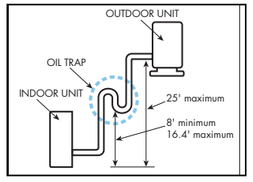



Figure A.
Example: 25 ft. maximum elevation.

## DUCT-FREE AIR CONDITIONERS

### LG INTERNET SALES POLICY

## Duct-Free Air Conditioning Products

LG's expressed Duct-Free Air Conditioning warranty policy applies only to products sold and installed by qualified air conditioning contractors.

Because products sold via the Internet cannot be assured of quality installation by a qualified air conditioning contractor, LG's expressed warranty may not apply to internet sales.

LG supports and recommends that a qualified air conditioning contractor properly size and install all LG Duct-Free Air Conditioning products for optimal performance and long life.

## FOR THE HVAC PROFESSIONAL

**INSTALLATION • MATERIALS**

### Don't forget to **BUY...**

- Mounting screws and anchors (wall mount and ceiling cassette)
- Optional condensate pump (interior wall installation only)
- Condensate drain tubing
- Hose clamps
- Refrigerant line
- Correct electrical wire to connect indoor and outdoor units based on the LG model chosen (see electrical specifications) and local electrical code requirements
- Closed cell insulating tubing for liquid and suction lines
- Electrical tape
- Condenser mounting pad
- Disconnect and wiring for condenser unit
- Plastic duct and installation hardware to conceal connecting tubing on exterior walls
- Anchor bolts (optional for floor standing)

### Don't forget to **BRING...**

- Level gauge
- 2 3/4" hole core drill
- Flaring tool set
- Gas leak detector
- Vacuum pump
- Gauge manifold
- Micron gauge
- R-410A Service Port Adapter

## REMEMBER THESE

### OTHER INSTALLATION ITEMS TO CONSIDER

Low Ambient Wiring Kit
#ICM 326H

Low Voltage Condensate Pump
24V Condensate Pumps available from Aspen Pumps by calling 732-248-8066*

Recommended source for 18/4 Stranded Shielded Wire required for LG's Duct-Free units (to order call 800-322-3660)

Wireless Energy Management Digital Wall Thermostat for Duct-Free Systems
Part #DFSWLWT0A
See page 51 for more details.
Applicable to 36V DC indoor models(Single Zone) only

Wired Wall Thermostat for Duct-Free Systems
Part # PQRCVSL0
Applicable to LS091HSV, LS121HSV, LS161HSV, LS181HSV, LS240HSV models only

*LG is not responsible for improper installation.



# FLEX MULTI-SPLIT DUAL-, TRI- & QUAD-ZONE AIR CONDITIONING SYSTEMS

## Flex Multi-Split Systems

The larger, Flex Multi-Split systems operate two, three or four interior units that are mounted in separate rooms. Each indoor unit comes with its own remote control, allowing the customer to set the temperature individually in different rooms. These units are connected to a single exterior unit.

The interior units are available in a variety of styles, including Art Cool, Standard, Ceiling Cassette, and Ceiling Concealed Duct models. Dual-,Tri- and Quad-Zone are available in Heat Pump systems.

Inverter · Eligible for Tax Benefit

**Dual-Zone**
Flex Multi-Split System
Mix and match for 18,000-24,000 BTUs
Heat Pump Inverter

Inverter · Eligible for Tax Benefit

**Tri-Zone**
Flex Multi-Split System
Mix and match for 27,000-33,000 BTUs
Heat Pump Inverter

Inverter

**Quad-Zone**
Flex Multi-Split System
Mix and match for 36,000-48,000 BTUs
Heat Pump Inverter

**Available styles and finishes**

Flex Multi-Split Art Cool Indoor Unit
Mirror Finish

Standard Mirror
PSAPECR10 (9, 12K)
PSAP8CR10 (18, 24K)

Organic Cream White
PSAPECW10 (9, 12K)
PSAP8CW10 (18, 24K)

Art Flower Gold
PSAPECF10 (9, 12K)
PSAP8CF10 (18, 24K)

Snow Flower White
PSAPECT10 (9, 12K)
PSAP8CT10 (18, 24K)

Flex Multi-Split Standard Indoor Unit

Flex Multi-Split Ceiling Cassette
& Ceiling Concealed Duct



LG Life's Good

# WHY LG?

## Energy Saving
with LG inverter Technology

## Wide Choice of Indoor Units
Standard, Art Cool, Concealed Duct, Cassette Types

## Design Flexibility
Outdoor units connect to several indoor unit styles

## Outdoor Units H/P Inverter

DUAL-ZONE
LMU186HV

TRI-ZONE
LMU246HV

QUAD-ZONE
LMU366HV

*Eligible for Tax Benefit*

*Eligible for Tax Benefit*





## 18,000-36,000 BTUs

- (C)(H) **LMU186HV** Dual-Zone
- (C)(H) **LMU246HV** Tri-Zone
- (C)(H) **LMU366HV** Quad-Zone

DUAL-ZONE
LMU186HV

TRI-ZONE
LMU246HV

QUAD-ZONE
LMU366HV

### FEATURES:

- **Defrost /Deicing**
- **Restart delay (3-minutes)**
- **Self diagnosis**
- **Soft start**
- **Auto operation (Artificial intelligence)**
- **Auto restart operation**
- **Low ambient operation**
- **Gold Fin™ Anti-Corrosion**

Exterior Unit Includes:

- **Exterior unit**
- **Sufficient refrigerant for charging 2, 3 or 4 indoor coils (Please see chart below for actual length amount included)**
- **Installation manual**

**ETL# : 3091879**

| Outdoor Model H/P Inverter # | | | LMU186HV | LMU246HV | LMU366HV |
|---|---|---|---|---|---|
| Capacity * | — | BTU/h | 18,000 Class | 24,000 Class | 36,000 Class |
| Power Input | | | | | |
| (Min.~Rated~Max.) | Cooling | kW | 0.52~1.25~2.05 | 0.72~1.56~3.27 | 0.72~3.75~3.92 |
| | Heating | kW | 0.77~1.63~2.18 | 0.72~3.22~3.5 | 0.72~3.70~4.10 |
| Running Current | Cooling | A | 2.3~5.8~9.5 | 3.0~7.2~15.2 | 3.0~17.4~18.2 |
| | Heating | A | 3.4~7.6~10.1 | 4.5~14.9~16.2 | 4.5~17.2~18.8 |
| Power Supply | — | Ø / V / Hz | 1/208~230/60 | 1/208~230/60 | 1/208~230/60 |
| Power Supply Cable (Outdoor) | — | No. x AWG | 3 x 14 | 3 x 12 | 3 x 12 |
| Transmission Cable (Outdoor to Indoor unit ) | — | No. x AWG | 4 x 18 | 4 x 18 | 4 x 18 |
| Dimensions (W x H x D) | | inch | 34.3x25.8x12.6 | 34.3x31.8x12.6 | 34.3x31.8x12.6 |
| Net Weight | — | lbs | 115 | 143.3 | 143.3 |
| Max. # of Connectable Indoor Units | — | — | 2 | 3 | 4 |
| Refrigerant | Charge (at 24.6 ft.) | oz | 59.97 | 89.95 | 89.95 |
| | Type | — | R410A | R410A | R410A |
| | Control | — | EEV | EEV | EEV |
| Sound Level (H/L) | Sound Pressure | dB(A)+3 | 51/45 | 52 | 52 |
| Piping Connections | Liquid | inch | 1/4 x 2EA | 1/4 x 3EA | 1/4 x 4EA |
| | Gas | inch | 3/8 x 2EA | 3/8 x 3EA | 3/8 x 4EA |
| Piping length spec. | Max. total piping | ft. | 164.0 | 246.1 | 246.1 |
| | Max. OD~ID piping | ft. | 82.0 | 82.0 | 82.0 |
| | Piping length(no add'l refrigerant) | ft. | 73.8 | 123.0 | 123.0 |
| Max. Elevation Difference | Outdoor Unit~Indoor Unit | ft. | 49.2 | 49.2 | 49.2 |
| | Indoor Unit~Indoor Unit | ft. | 24.6 | 24.6 | 24.6 |
| Operation Range | Cooling | ˚F | 14 ~114.8 | 14 ~114.8 | 14 ~114.8 |
| (Outdoor) | Heating | ˚F | 5~ 75.2 | 5~ 75.2 | 5~ 75.2 |

Note :
1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 80°F (26.7°C ) DB/67°F (19.4°C) WB
   - Outdoor Temperature 95°F (35°C) DB/75°F (23.9°C) WB
   Heating: - Indoor Temperature 70°F (21.1°C) DB/60°F (15.6°C) WB
   - Outdoor Temperature 47°F (8.3°C) DB/43°F (6.1°C) WB
   Piping Length: - Interconnecting Piping Length 24.6 ft.(7.5m)
   - Level Difference of Zero
2. Wiring cable size must comply with the applicable local and national code.
3. The specification may be subject to change without prior notice for purpose of improvement.
4. For more capacity(*) information, refer to the combination tables.
5. The data mentioned in the above table are only for non-ducted type of indoor unit.

**Warranty: 2 years parts; 5 years compressor.**
**See page 25 for installation materials.**

## STANDARD • FLEX MULTI-SPLIT

### 9,000-18,000 BTUs

**LMN095HVT** (H/P Model)
**LMN125HVT** (H/P Model)
**LMN185HVT** (H/P Model)

Inverter

### FEATURES:

- Inverter(Variable speed compressor)
- Chaos Swing
- Jet Cool
- Plasma air purifying system
- Self-cleaning indoor coil
- Auto operation (Artificial Intelligence)
- Auto restart operation
- 24-Hour on/off timer

Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Wireless LCD remote control, batteries, holder & holder hardware
- Owner's manual
- Wired thermostat available, Sold separately

ETL# : 3091879

| Indoor Model H/P Inverter # | LMN095HVT | LMN125HVT | LMN185HVT |
|---|---|---|---|
| **Performance** | | | |
| Capacity* (BTU/h) | 9,000 Class | 12,000 Class | 18,000 Class |
| Fan Air Flow Rate (CMM) | 8.0/7.0/5.0 | 10.0/8.0/6.0 | 12.0/10.5/9.0 |
| (CFM) | 282/247/177 | 353/282/212 | 424/371/318 |
| Dehumidification Rate (l/h) | 1.2 | 1.5 | 2.3 |
| Sound Level H/M/L (dB(A)+3) | 31/26/22 | 35/28/24 | 37/34/31 |
| **Electrical** | | | |
| Running Current (A) | 0.15 | 0.15 | 0.15 |
| Power Supply (Ø/V/Hz) | 1/208~230/60 | 1/208~230/60 | 1/208~230/60 |
| **Piping Connections** | | | |
| Liquid (inches) | 1/4 | 1/4 | 1/4 |
| Gas (inches) | 3/8 | 3/8 | 1/2 |
| Drain OD,ID (inches) | 4/5, 5/8 | 4/5, 5/8 | 4/5, 5/8 |
| Temperature Sensor | Thermistor | Thermistor | Thermistor |
| Refrigerant | R410A | R410A | R410A |
| Power/Transmission Interunit Cable (No. x AWG) | 4 x 18 | 4 x 18 | 4 x 18 |
| **Dimensions (WxHxD)** | | | |
| Body (inches) | 35 1/4×11 3/32×6 1/2 | 35 1/4×11 3/32×6 1/2 | 42 29/32×12×7 3/32 |
| Decorative Panel (inches) | - | - | - |
| Net Weight Body (lbs) | 20.9 | 20.9 | 28.7 |
| Net Weight Decorative Panel (lbs) | - | - | - |

Note :
1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 80°F (26.7°C ) DB/67°F (19.4°C) WB
   - Outdoor Temperature 95°F (35°C) DB/75°F (23.9°C) WB
   Heating: - Indoor Temperature 70°F (21.1°C) DB/60°F (15.6°C) WB
   - Outdoor Temperature 47°F (8.3°C) DB/43°F (6.1°C) WB
   Piping Length: - Interconnecting Piping Length 24.6 ft.(7.5m)
   - Level Difference of Zero
2. Wiring cable size must comply with the applicable local and national code.
3. The specification may be subject to change without prior notice for purpose of improvement.
4. For more capacity(*) information, refer to the combination tables.



**Warranty: 2 years parts; 5 years compressor.**
**See page 35 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## ART COOL • FLEX MULTI-SPLIT

### 9,000-18,000 BTUs

**LMAN095HVT** (H/P Model)
**LMAN125HVT** (H/P Model)
**LMAN185HVT** (H/P Model)

Inverter

### FEATURES:

- Changeable front color panel option
- Inverter(Variable speed compressor)
- Chaos Swing
- Jet Cool
- Plasma air purifying system
- Self-cleaning indoor coil
- Auto operation (Artificial Intelligence)
- Auto restart operation
- 24-Hour on/off timer

Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Wireless LCD remote control, batteries, holder & holder hardware
- Owner's manual
- Standard mirror panel
- Wired thermostat available, Sold separately

ETL# : 3091879

| Indoor Model H/P Inverter # | LMAN095HVT | LMAN125HVT | LMAN185HVT |
|---|---|---|---|
| **Performance** | | | |
| Capacity* (BTU/h) | 9,000 Class | 12,000 Class | 18,000 Class |
| Fan Air Flow Rate (CMM) | 8.0/7.0/5.0 | 10.0/8.0/6.0 | 12.6/11.5/10 |
| (CFM) | 282/247/177 | 353/282/212 | 445/406/353 |
| Dehumidification Rate (l/h) | 1.2 | 1.5 | 2 |
| Sound Level H/M/L (dB(A)+3) | 31/26/22 | 35/28/24 | 39/37/35 |
| **Electrical** | | | |
| Running Current (A) | 0.15 | 0.15 | 0.15 |
| Power Supply (Ø/V/Hz) | 1/208~230/60 | 1/208~230/60 | 1/208~230/60 |
| **Piping Connections** | | | |
| Liquid (inches) | 1/4 | 1/4 | 1/4 |
| Gas (inches) | 3/8 | 3/8 | 1/2 |
| Drain OD,ID (inches) | 4/5, 5/8 | 4/5, 5/8 | 4/5, 5/8 |
| Temperature Sensor | Thermistor | Thermistor | Thermistor |
| Refrigerant | R410A | R410A | R410A |
| Power/Transmission Interunit Cable (No. x AWG) | 4 x 18 | 4 x 18 | 4 x 18 |
| **Dimensions (WxHxD)** | | | |
| Body (inches) | 36×11 3/32×6 1/2 | 36×11 3/32×6 1/2 | 43 9/16×12×7 7/8 |
| Decorative Panel (inches) | - | - | - |
| Net Weight Body (lbs) | 20.9 | 20.9 | 31.09 |
| Net Weight Decorative Panel (lbs) | - | - | - |

Note :
1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 80°F (26.7°C ) DB/67°F (19.4°C) WB
   - Outdoor Temperature 95°F (35°C) DB/75°F (23.9°C) WB
   Heating: - Indoor Temperature 70°F (21.1°C) DB/60°F (15.6°C) WB
   - Outdoor Temperature 47°F (8.3°C) DB/43°F (6.1°C) WB
   Piping Length: - Interconnecting Piping Length 24.6 ft.(7.5m)
   - Level Difference of Zero
2. Wiring cable size must comply with the applicable local and national code.
3. The specification may be subject to change without prior notice for purpose of improvement.
4. For more capacity(*) information, refer to the combination tables.

**Warranty: 2 years parts; 5 years compressor.**
**See page 35 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## CEILING CONCEALED DUCT • FLEX MULTI-SPLIT

### 9,000-18,000 BTUs

**LMDN095HV** (H/P Model)
**LMDN125HV** (H/P Model)
**LMDN185HV** (H/P Model)

Inverter

### FEATURES:

- Inverter(Variable speed compressor)
- Drain pump
- Control lock function
- Auto operation (Artificial Intelligence)
- Auto restart operation
- 2 thermistor control

**Interior Unit Includes:**

- Ceiling unit
- Wired remote control
- Owner's manual

**ETL# : 3091879**

| Indoor Model H/P Inverter # | LMDN095HV | LMDN125HV | LMDN185HV |
|---|---|---|---|
| **Performance** | | | |
| Capacity* (BTU/h) | 9,000 Class | 12,000 Class | 18,000 Class |
| Fan Air Flow Rate (CMM) | 8.5/7.5/6.5 | 9.5/8.5/7.5 | 15/13.5/11.5 |
| (CFM) | 300/265/230 | 335/300/265 | 530/477/406 |
| Dehumidification Rate (l/h) | 1 | 1.2 | 2 |
| Sound Level H/M/L (dB(A)+3) | 32/26/25 | 33/31/26 | 34/31/29 |
| **Electrical** | | | |
| Running Current (A) | 0.25 | 0.25 | 0.25 |
| Power Supply (Ø/V/Hz) | 1/208~230/60 | 1/208~230/60 | 1/208~230/60 |
| **Piping Connections** | | | |
| Liquid (inches) | 1/4 | 1/4 | 1/4 |
| Gas (inches) | 3/8 | 3/8 | 1/2 |
| Drain OD,ID (inches) | 1 1/4, 1 | 1 1/4, 1 | 1 1/4, 1 |
| Temperature Sensor | Thermistor | Thermistor | Thermistor |
| Refrigerant | R410A | R410A | R410A |
| Power/Transmission Interunit Cable (No. x AWG) | 4 x 18 | 4 x 18 | 4 x 18 |
| **Dimensions (WxHxD)** | | | |
| Body (inches) | 32 9/32x7 1/2x 22 21/32 | 32 9/32x7 1/2x 22 21/32 | 43 5/16x7 15/32x 22 21/32 |
| Decorative Panel (inches) | - | - | - |
| Net Weight Body (lbs) | 45.2 | 45.2 | 58.4 |
| Net Weight Decorative Panel (lbs) | - | - | - |

Note :
1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 80°F (26.7°C ) DB/67°F (19.4°C) WB
   - Outdoor Temperature 95°F (35°C) DB/75°F (23.9°C) WB
   Heating: - Indoor Temperature 70°F (21.1°C) DB/60°F (15.6°C) WB
   - Outdoor Temperature 47°F (8.3°C) DB/43°F (6.1°C) WB
   Piping Length: - Interconnecting Piping Length 24.6 ft.(7.5m)
   - Level Difference of Zero
2. Wiring cable size must comply with the applicable local and national code.
3. The specification may be subject to change without prior notice for purpose of improvement.
4. For more capacity(*) information, refer to the combination tables.



**Warranty: 2 years parts; 5 years compressor.**
**See page 35 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## CEILING CASSETTE • FLEX MULTI-SPLIT

### 12,000-18,000 BTUs

**LMCN125HV** (H/P Model)
**LMCN185HV** (H/P Model)
* Cassette Grill sold separately
Model# : PT-UQC

Inverter

### FEATURES:

- Inverter(Variable speed compressor)
- Drain pump
- Jet Cool
- Plasma air purifying system(Option)
- Control lock function
- Auto operation (Artificial Intelligence)
- Auto restart operation
- 24-Hour on/off timer
- 2 thermistor control

**Interior Unit Includes:**

- Ceiling unit
- Wireless LCD remote control, batteries, Wireless LCD remote control, batteries, holder & holder hardware
- Owner's manual
- Accessory
  - Model name : PT-UQC (Ceiling grill sold separately)
  - Model name : PTPKQ0 (Plasma kit sold separately)

**ETL# : 3091879**

| Indoor Model H/P Inverter # | LMCN125HV | LMCN185HV |
|---|---|---|
| **Ceiling Grill Model# (Sold Separately)** | **PT-UQC** | **PT-UQC** |
| **Performance** | | |
| Capacity* (BTU/h) | 12,000 Class | 18,000 Class |
| Fan Air Flow Rate (CMM) | 9.5/8/7 | 13/12/11 |
| (CFM) | 335/282/247 | 429/424/388 |
| Dehumidification Rate (l/h) | 2 | 2 |
| Sound Level H/M/L (dB(A)+3) | 38/35/32 | 38/37/34 |
| **Electrical** | | |
| Running Current (A) | 0.25 | 0.25 |
| Power Supply (Ø/V/Hz) | 1/208~230/60 | 1/208~230/60 |
| **Piping Connections** | | |
| Liquid (inches) | 1/4 | 1/4 |
| Gas (inches) | 3/8 | 1/2 |
| Drain OD,ID (inches) | 1 1/4, 1 | 1 1/4, 1 |
| Temperature Sensor | Thermistor | Thermistor |
| Refrigerant | R410A | R410A |
| Power/Transmission Interunit Cable (No. x AWG) | 4 x 18 | 4 x 18 |
| **Dimensions (WxHxD)** | | |
| Body (inches) | 22 7/16x8 7/16x22 7/16 | 22 7/16x10x22 7/16 |
| Decorative Panel (inches) | 27 6/19x1 3/16x27 6/19 | 27 6/19x1 3/16x27 6/19 |
| Net Weight Body (lbs) | 30.9 | 33.1 |
| Net Weight Decorative Panel (lbs) | 6.6 | 6.6 |

Note :
1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 80°F (26.7°C ) DB/67°F (19.4°C) WB
   - Outdoor Temperature 95°F (35°C) DB/75°F (23.9°C) WB
   Heating: - Indoor Temperature 70°F (21.1°C) DB/60°F (15.6°C) WB
   - Outdoor Temperature 47°F (8.3°C) DB/43°F (6.1°C) WB
   Piping Length: - Interconnecting Piping Length 24.6 ft.(7.5m)
   - Level Difference of Zero
2. Wiring cable size must comply with the applicable local and national code.
3. The specification may be subject to change without prior notice for purpose of improvement.
4. For more capacity(*) information, refer to the combination tables.

**Warranty: 2 years parts; 5 years compressor.**
**See page 35 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## ELECTRICAL & REFRIGERATION • QUICK REFERENCE

### Electrical Specifications

| Zone | Type | | Model | Voltage Indoor | Voltage Outdoor | Running Current | MCA* | MOP** |
|---|---|---|---|---|---|---|---|---|
| Flex Multi-Split Indoor Units | H/P | H | LMN095HVT | 208/230 | — | 0.15 | — | — |
| | H/P | H | LMAN095HVT | 208/230 | — | 0.15 | — | — |
| | H/P | H | LMDN095HV | 208/230 | — | 0.25 | — | — |
| | H/P | H | LMN125HVT | 208/230 | — | 0.15 | — | — |
| | H/P | H | LMAN125HVT | 208/230 | — | 0.15 | — | — |
| | H/P | H | LMDN125HV | 208/230 | — | 0.25 | — | — |
| | H/P | H | LMCN125HV | 208/230 | — | 0.25 | — | — |
| | H/P | H | LMN185HVT | 208/230 | — | 0.15 | — | — |
| | H/P | H | LMAN185HVT | 208/230 | — | 0.15 | — | — |
| | H/P | H | LMDN185HV | 208/230 | — | 0.25 | — | — |
| | H/P | H | LMCN185HV | 208/230 | — | 0.25 | — | — |
| Outdoor Units | H/P | H | LMU186HV | — | 208/230 | — | 12.6 | 21.8 |
| | H/P | H | LMU246HV | — | 208/230 | — | 16.4 | 28.7 |
| | H/P | H | LMU366HV | — | 208/230 | — | 19.0 | 33.3 |

All equipment are single phase.
NOTE: Please see local electrical codes for proper wire specifications.
*Minimum Circuit Ampacity **Maximum Overcurrent Protection ***For LMU245HV, LMU365HV

### Wire Size
Minimum wiring requirements suggested by manufacturer

| | |
|---|---|
| Minimum AWG | 14-3 |
| | 12-3*** |
| Indoor/Outdoor Connecting Cable Minimum AWG | 18-4 |

### Refrigerant Line & Formula Specifications

| | Type | | Model | Pipe size Liquid | Pipe size Suction | Additional Refrigerant | Max. Length Each Pipe | Max. Elevation |
|---|---|---|---|---|---|---|---|---|
| Flex Multi-Split | H/P | H | LMN095HVT | 1/4" | 3/8" | 0.22 oz./ft. | 82' | 49' |
| | H/P | H | LMAN095HVT | 1/4" | 3/8" | 0.22 oz./ft. | 82' | 49' |
| | H/P | H | LMDN095HV | 1/4" | 3/8" | 0.22 oz./ft. | 82' | 49' |
| | H/P | H | LMN125HVT | 1/4" | 3/8" | 0.22 oz./ft. | 82' | 49' |
| | H/P | H | LMAN125HVT | 1/4" | 3/8" | 0.22 oz./ft. | 82' | 49' |
| | H/P | H | LMDN125HV | 1/4" | 3/8" | 0.22 oz./ft. | 82' | 49' |
| | H/P | H | LMCN125HV | 1/4" | 3/8" | 0.22 oz./ft. | 82' | 49' |
| | H/P | H | LMN185HVT | 1/4" | 1/2" | 0.22 oz./ft. | 82' | 49' |
| | H/P | H | LMAN185HVT | 1/4" | 1/2" | 0.22 oz./ft. | 82' | 49' |
| | H/P | H | LMDN185HV | 1/4" | 1/2" | 0.22 oz./ft. | 82' | 49' |
| | H/P | H | LMCN185HV | 1/4" | 1/2" | 0.22 oz./ft. | 82' | 49' |

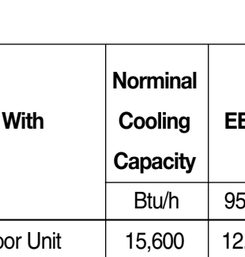




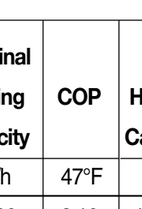
| System | Combined With | Norminal Cooling Capacity | EER | SEER | Norminal Heating Capacity | COP | Low Heating Capacity | COP | HSPF | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Btu/h | 95°F | | Btu/h | 47°F | Btu/h | 17°F | | |
| LMU186HV | Non-Ducted Indoor Unit | 15,600 | 12.50 | 16.0 | 17,000 | 3.10 | 12,500 | 2.4 | 8.50 | Eligible for Tax Benefit |
| | Ducted Indoor Unit | 17,000 | 11.70 | 15.0 | 18,000 | 3.20 | 13,100 | 2.5 | 8.20 | |
| | Mixed Ducted & Non-Ducted | 16,300 | 21.10 | 15.5 | 17,500 | 3.20 | 12,800 | 2.5 | 8.35 | |
| LMU246HV | Non-Ducted Indoor Unit | 19,500 | 12.50 | 15.0 | 27,000 | 3.10 | 20,100 | 2.5 | 10.30 | Eligible for Tax Benefit |
| | Ducted Indoor Unit | 20,500 | 11.30 | 15.5 | 27,500 | 3.20 | 21,100 | 2.6 | 9.80 | |
| | Mixed Ducted & Non-Ducted | 20,000 | 11.90 | 17.1 | 27,250 | 3.20 | 20,600 | 2.6 | 10.05 | |
| LMU366HV | Non-Ducted Indoor Unit | 32,300 | 8.60 | 18.0 | 35,400 | 2.80 | 26,100 | 2.3 | 9.10 | |
| | Ducted Indoor Unit | 33,000 | 8.70 | 17.0 | 37,000 | 3.10 | 27,400 | 2.4 | 9.00 | |
| | Mixed Ducted & Non-Ducted | 32,650 | 8.65 | 17.5 | 36,200 | 2.90 | 26,700 | 2.4 | 9.05 | |

## Accessory

Wired Wall Thermostat for Flex-Multi Split System



PQRCUSA0



PQRCUCS0C

PI485 V-net control integration accessory

Control integration to LG V-net controls
(AC Smart, ACP, BACnet, LonWorks, etc.)

Applied to Inverter Flex Multi
(dual, tri, and quad zone) and
Single Inverter Ceiling Cassette.

Model # : PMNFP14A0

## LMU186HV

### Non Ducted Type Indoor Unit

**Cooling**

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | EER | SEER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Middle | Max | Min | Middle | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 7,800 | 7,800 | - | - | 9,360 | 2.8 | 15,600 | 4.6 | 19,000 | 5.6 | 750 | 1,250 | 1,720 | 3.5 | 5.8 | 8.0 | 12.5 | 16.0 |
| | 9 | 12 | - | - | 21 | 6,686 | 8,914 | - | - | 9,360 | 2.8 | 15,600 | 4.6 | 19,000 | 5.6 | 750 | 1,250 | 1,850 | 3.5 | 5.8 | 8.6 | 12.5 | 15.0 |
| | 12 | 12 | - | - | 24 | 8,000 | 8,000 | - | - | 9,600 | 2.8 | 16,000 | 4.7 | 19,800 | 5.8 | 760 | 1,300 | 2,050 | 3.6 | 6.0 | 9.5 | 12.3 | 15.0 |

**Heating**

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | COP | HSPF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Middle | Max | Min | Middle | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 8,500 | 8,500 | - | - | 10,200 | 3.0 | 17,000 | 5.0 | 21,000 | 6.2 | 980 | 1,630 | 2,000 | 4.5 | 7.6 | 9.3 | 3.1 | 8.5 |
| | 9 | 12 | - | - | 21 | 7,286 | 9,714 | - | - | 10,200 | 3.0 | 17,000 | 5.0 | 21,300 | 6.3 | 1,020 | 1,630 | 2,060 | 4.7 | 7.6 | 9.6 | 3.1 | 8.5 |
| | 12 | 12 | - | - | 24 | 9,000 | 9,000 | - | - | 10,800 | 3.2 | 18,000 | 5.3 | 21,300 | 6.3 | 1,100 | 1,700 | 2,180 | 5.1 | 7.9 | 10.1 | 3.1 | 8.5 |

### Ducted Type Indoor Unit

**Cooling**

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | EER | SEER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Middle | Max | Min | Middle | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 8,500 | 8,500 | - | - | 10,200 | 3.0 | 17,000 | 5.0 | 19,000 | 5.6 | 870 | 1,450 | 1,940 | 4.0 | 6.7 | 9.0 | 11.7 | 15.0 |
| | 9 | 12 | - | - | 21 | 7,286 | 9,714 | - | - | 10,200 | 3.0 | 17,000 | 5.0 | 19,000 | 5.6 | 870 | 1,450 | 1,940 | 4.0 | 6.7 | 9.0 | 11.7 | 14.6 |
| | 12 | 12 | - | - | 24 | 8,500 | 8,500 | - | - | 10,200 | 3.0 | 17,000 | 5.0 | 19,800 | 5.8 | 900 | 1,500 | 2,150 | 4.2 | 7.0 | 10.0 | 11.3 | 14.6 |

**Heating**

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | COP | HSPF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Middle | Max | Min | Middle | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 9,000 | 9,000 | - | - | 10,800 | 3.2 | 18,000 | 5.3 | 21,000 | 6.2 | 930 | 1,550 | 1,900 | 4.3 | 7.2 | 8.8 | 3.4 | 8.2 |
| | 9 | 12 | - | - | 21 | 7,714 | 10,286 | - | - | 10,800 | 3.2 | 18,000 | 5.3 | 23,000 | 6.8 | 930 | 1,550 | 1,900 | 4.3 | 7.2 | 8.8 | 3.4 | 8.2 |
| | 12 | 12 | - | - | 24 | 9,500 | 9,500 | - | - | 11,400 | 3.4 | 19,000 | 5.6 | 23,000 | 6.8 | 1,050 | 1,750 | 2,070 | 4.9 | 8.1 | 9.6 | 3.2 | 8.2 |

# LMU246HV

## Non Ducted Type Indoor Unit
## Cooling

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | EER | SEER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Middle | Max | Min | Middle | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 9,000 | 9,000 | - | - | 10,800 | 3.2 | 18,000 | 5.3 | 19,800 | 5.8 | 900 | 1,500 | 2,434 | 4.2 | 7.0 | 11.3 | 11.4 | 15.0 |
| | 9 | 12 | - | - | 21 | 7,929 | 10,571 | - | - | 11,100 | 3.3 | 18,500 | 5.4 | 20,350 | 6.0 | 920 | 1,500 | 2,632 | 4.3 | 7.0 | 12.2 | 11.4 | 15.0 |
| | 12 | 12 | - | - | 24 | 9,500 | 9,500 | - | - | 11,400 | 3.4 | 19,000 | 5.6 | 25,000 | 7.4 | 936 | 1,560 | 2,830 | 4.3 | 7.2 | 13.1 | 11.4 | 15.0 |
| | 9 | 18 | - | - | 27 | 6,333 | 12,667 | - | - | 11,400 | 3.4 | 19,000 | 5.6 | 30,000 | 8.8 | 936 | 1,560 | 3,270 | 4.3 | 7.2 | 15.2 | 11.6 | 15.0 |
| | 12 | 18 | - | - | 30 | 7,600 | 11,400 | - | - | 11,400 | 3.4 | 19,000 | 5.6 | 30,000 | 8.8 | 936 | 1,560 | 3,270 | 4.3 | 7.2 | 15.2 | 11.6 | 15.0 |
| 3 INDOOR UNITS | 9 | 9 | 9 | - | 27 | 6,500 | 6,500 | 6,500 | - | 11,700 | 3.4 | 19,500 | 5.7 | 31,000 | 9.1 | 936 | 1,560 | 3,270 | 4.3 | 7.2 | 15.2 | 12.5 | 16.0 |
| | 9 | 9 | 12 | - | 30 | 5,850 | 5,850 | 7,800 | - | 11,700 | 3.4 | 19,500 | 5.7 | 31,000 | 9.1 | 936 | 1,560 | 3,270 | 4.3 | 7.2 | 15.2 | 12.5 | 16.0 |
| | 9 | 12 | 12 | - | 33 | 5,318 | 7,091 | 7,091 | - | 11,700 | 3.4 | 19,500 | 5.7 | 31,000 | 9.1 | 936 | 1,560 | 3,270 | 4.3 | 7.2 | 15.2 | 12.5 | 16.0 |

## Heating

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | COP | HSPF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Middle | Max | Min | Middle | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 10,350 | 10,350 | - | - | 12,420 | 3.7 | 20,700 | 6.1 | 22,770 | 6.7 | 1,554 | 2,590 | 3,090 | 7.2 | 12.0 | 14.3 | 2.3 | 8.5 |
| | 9 | 12 | - | - | 21 | 9,118 | 12,157 | - | - | 12,765 | 3.8 | 21,275 | 6.3 | 26,560 | 7.8 | 1,608 | 2,680 | 3,100 | 7.5 | 12.4 | 14.4 | 2.3 | 8.5 |
| | 12 | 12 | - | - | 24 | 13,500 | 13,500 | - | - | 16,200 | 4.8 | 27,000 | 7.9 | 32,000 | 9.4 | 1,716 | 2,860 | 3,300 | 8.0 | 13.3 | 15.3 | 2.8 | 8.5 |
| | 9 | 18 | - | - | 27 | 9,000 | 18,000 | - | - | 16,200 | 4.8 | 27,000 | 7.9 | 33,000 | 9.7 | 1,716 | 2,860 | 3,300 | 8.0 | 13.3 | 15.3 | 2.8 | 8.7 |
| | 12 | 18 | - | - | 30 | 10,800 | 16,200 | - | - | 16,200 | 4.8 | 27,000 | 7.9 | 33,000 | 9.7 | 1,932 | 3,220 | 3,500 | 9.0 | 14.9 | 16.2 | 2.5 | 8.7 |
| 3 INDOOR UNITS | 9 | 9 | 9 | - | 27 | 9,000 | 9,000 | 9,000 | - | 16,200 | 4.8 | 27,000 | 7.9 | 33,000 | 9.7 | 1,932 | 3,220 | 3,500 | 9.0 | 14.9 | 16.2 | 2.5 | 10.3 |
| | 9 | 9 | 12 | - | 30 | 8,100 | 8,100 | 10,800 | - | 16,200 | 4.8 | 27,000 | 7.9 | 33,000 | 9.7 | 1,932 | 3,220 | 3,500 | 9.0 | 14.9 | 16.2 | 2.5 | 10.3 |
| | 9 | 12 | 12 | - | 33 | 7,364 | 9,818 | 9,818 | - | 16,200 | 4.8 | 27,000 | 7.9 | 33,000 | 9.7 | 1,932 | 3,220 | 3,500 | 9.0 | 14.9 | 16.2 | 2.5 | 10.3 |

## Ducted Type Indoor Unit
## Cooling

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | EER | SEER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Middle | Max | Min | Middle | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 9,000 | 9,000 | - | - | 10,800 | 3.2 | 18,000 | 5.3 | 19,800 | 5.8 | 950 | 1,580 | 2,560 | 4.4 | 7.3 | 11.9 | 10.8 | 14.0 |
| | 9 | 12 | - | - | 21 | 8,571 | 11,429 | - | - | 12,000 | 3.5 | 20,000 | 5.9 | 22,000 | 6.5 | 990 | 1,700 | 2,760 | 4.6 | 7.9 | 12.8 | 10.8 | 14.0 |
| | 12 | 12 | - | - | 24 | 10,250 | 10,250 | - | - | 12,300 | 3.6 | 20,500 | 6.0 | 28,800 | 8.5 | 1,030 | 1,770 | 2,970 | 4.8 | 8.2 | 13.8 | 10.8 | 14.0 |
| | 9 | 18 | - | - | 27 | 6,833 | 13,667 | - | - | 12,300 | 3.6 | 20,500 | 6.0 | 31,000 | 9.1 | 1,030 | 1,770 | 3,430 | 4.8 | 8.2 | 15.9 | 11.0 | 14.0 |
| | 12 | 18 | - | - | 30 | 8,200 | 12,300 | - | - | 12,300 | 3.6 | 20,500 | 6.0 | 31,000 | 9.1 | 1,030 | 1,770 | 3,430 | 4.8 | 8.2 | 15.9 | 11.0 | 14.0 |
| 3 INDOOR UNITS | 9 | 9 | 9 | - | 27 | 6,833 | 6,833 | 6,833 | - | 12,300 | 3.6 | 20,500 | 6.0 | 31,000 | 9.1 | 1,060 | 1,820 | 3,430 | 4.9 | 8.4 | 15.9 | 11.3 | 15.0 |
| | 9 | 9 | 12 | - | 30 | 6,150 | 6,150 | 8,200 | - | 12,300 | 3.6 | 20,500 | 6.0 | 31,000 | 9.1 | 1,060 | 1,820 | 3,430 | 4.9 | 8.4 | 15.9 | 11.3 | 15.0 |
| | 9 | 12 | 12 | - | 33 | 5,591 | 7,455 | 7,455 | - | 12,300 | 3.6 | 20,500 | 6.0 | 31,000 | 9.1 | 1,060 | 1,820 | 3,430 | 4.9 | 8.4 | 15.9 | 11.3 | 15.0 |

**Ducted Type Indoor Unit *continued***
**Heating**

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | COP | HSPF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Rated | Max | Min | Rated | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 10,350 | 10,350 | - | - | 12,420 | 3.7 | 20,700 | 6.1 | 22,770 | 6.7 | 1,400 | 2,460 | 2,940 | 6.5 | 11.4 | 13.6 | 2.5 | 8.1 |
| | 9 | 12 | - | - | 21 | 9,857 | 13,143 | - | - | 13,800 | 4.1 | 23,000 | 6.8 | 26,560 | 7.8 | 1,480 | 2,550 | 2,950 | 6.9 | 11.8 | 13.7 | 2.6 | 8.1 |
| | 12 | 12 | - | - | 24 | 13,750 | 13,750 | - | - | 16,500 | 4.9 | 27,500 | 8.1 | 32,000 | 9.4 | 1,530 | 2,720 | 3,140 | 7.1 | 12.6 | 14.6 | 3.0 | 8.1 |
| | 9 | 18 | - | - | 27 | 9,167 | 18,333 | - | - | 16,500 | 4.9 | 27,500 | 8.1 | 33,000 | 9.7 | 1,630 | 2,720 | 3,140 | 7.6 | 12.6 | 14.6 | 3.0 | 8.3 |
| | 12 | 18 | - | - | 30 | 11,000 | 16,500 | - | - | 16,500 | 4.9 | 27,500 | 8.1 | 33,000 | 9.7 | 1,840 | 3,060 | 3,330 | 8.5 | 14.2 | 15.4 | 2.6 | 8.3 |
| 3 INDOOR UNITS | 9 | 9 | 9 | - | 27 | 9,167 | 9,167 | 9,167 | - | 16,500 | 4.9 | 27,500 | 8.1 | 33,000 | 9.7 | 1,840 | 3,060 | 3,330 | 8.5 | 14.2 | 15.4 | 2.6 | 9.8 |
| | 9 | 9 | 12 | - | 30 | 8,250 | 8,250 | 11,000 | - | 16,500 | 4.9 | 27,500 | 8.1 | 33,000 | 9.7 | 1,840 | 3,060 | 3,330 | 8.5 | 14.2 | 15.4 | 2.6 | 9.8 |
| | 9 | 12 | 12 | - | 33 | 7,500 | 10,000 | 10,000 | - | 16,500 | 4.9 | 27,500 | 8.1 | 33,000 | 9.7 | 1,840 | 3,060 | 3,330 | 8.5 | 14.2 | 15.4 | 2.6 | 9.8 |

## LMU366HV

**Non Ducted Type Indoor Unit**
**Cooling**

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | EER | SEER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Rated | Max | Min | Rated | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 9,000 | 9,000 | - | - | 10,800 | 3.2 | 18,000 | 5.3 | 19,800 | 5.8 | 930 | 1,550 | 2,434 | 4.3 | 7.2 | 11.3 | 10.6 | 15.1 |
| | 9 | 12 | - | - | 21 | 9,000 | 12,000 | - | - | 12,600 | 3.7 | 21,000 | 6.2 | 23,100 | 6.8 | 1,020 | 1,700 | 2,632 | 4.7 | 7.9 | 12.2 | 11.4 | 15.3 |
| | 12 | 12 | - | - | 24 | 12,000 | 12,000 | - | - | 14,400 | 4.2 | 24,000 | 7.1 | 26,400 | 7.8 | 1,116 | 1,860 | 2,830 | 5.2 | 8.6 | 13.1 | 11.9 | 15.7 |
| | 9 | 18 | - | - | 27 | 9,000 | 18,000 | - | - | 16,200 | 4.8 | 27,000 | 7.9 | 29,700 | 8.7 | 1,320 | 2,200 | 3,270 | 6.1 | 10.2 | 15.2 | 11.3 | 16.4 |
| | 12 | 18 | - | - | 30 | 11,600 | 17,400 | - | - | 17,400 | 5.1 | 29,000 | 8.5 | 32,000 | 9.4 | 1,758 | 2,930 | 3,710 | 8.2 | 13.6 | 17.2 | 8.9 | 16.4 |
| | 18 | 18 | - | - | 36 | 16,500 | 16,500 | - | - | 19,800 | 5.8 | 33,000 | 9.7 | 35,000 | 10.3 | 2,160 | 3,600 | 3,920 | 10.0 | 16.7 | 18.2 | 8.2 | 16.4 |
| 3 INDOOR UNITS | 9 | 9 | 9 | - | 27 | 9,000 | 9,000 | 9,000 | - | 16,200 | 4.8 | 27,000 | 7.9 | 29,700 | 8.7 | 1,320 | 2,200 | 3,270 | 6.1 | 10.2 | 15.2 | 11.8 | 16.8 |
| | 9 | 9 | 12 | - | 30 | 9,000 | 9,000 | 12,000 | - | 18,000 | 5.3 | 30,000 | 8.8 | 33,000 | 9.7 | 1,758 | 2,930 | 3,710 | 8.2 | 13.6 | 17.2 | 9.7 | 16.8 |
| | 9 | 12 | 12 | - | 33 | 8,618 | 11,491 | 11,491 | - | 18,960 | 5.6 | 31,600 | 9.3 | 34,500 | 10.1 | 1,992 | 3,320 | 3,815 | 9.2 | 15.4 | 17.7 | 9.0 | 16.8 |
| | 12 | 12 | 12 | - | 36 | 10,767 | 10,767 | 10,767 | - | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,160 | 3,600 | 3,920 | 10.0 | 16.7 | 18.2 | 8.5 | 16.8 |
| | 9 | 9 | 18 | - | 36 | 8,075 | 8,075 | 16,150 | - | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,160 | 3,600 | 3,920 | 10.0 | 16.7 | 18.2 | 8.5 | 17.0 |
| | 9 | 12 | 18 | - | 39 | 7,454 | 9,938 | 14,908 | - | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,160 | 3,600 | 3,920 | 10.0 | 16.7 | 18.2 | 8.5 | 17.0 |
| | 12 | 12 | 18 | - | 42 | 9,229 | 9,229 | 13,843 | - | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,160 | 3,600 | 3,920 | 10.0 | 16.7 | 18.2 | 8.5 | 17.0 |
| | 9 | 18 | 18 | - | 45 | 6,460 | 12,920 | 12,920 | - | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,160 | 3,600 | 3,920 | 10.0 | 16.7 | 18.2 | 8.5 | 17.0 |
| | 12 | 18 | 18 | - | 48 | 8,075 | 12,113 | 12,113 | - | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,160 | 3,600 | 3,920 | 10.0 | 16.7 | 18.2 | 8.5 | 17.0 |
| 4 INDOOR UNITS | 9 | 9 | 9 | 9 | 36 | 8,075 | 8,075 | 8,075 | 8,075 | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,250 | 3,750 | 3,920 | 10.4 | 17.4 | 18.2 | 8.6 | 18.0 |
| | 9 | 9 | 9 | 12 | 39 | 7,454 | 7,454 | 7,454 | 9,938 | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,250 | 3,750 | 3,920 | 10.4 | 17.4 | 18.2 | 8.6 | 18.0 |
| | 9 | 9 | 12 | 12 | 42 | 6,921 | 6,921 | 9,229 | 9,229 | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,250 | 3,750 | 3,920 | 10.4 | 17.4 | 18.2 | 8.6 | 18.0 |
| | 9 | 12 | 12 | 12 | 45 | 6,460 | 8,613 | 8,613 | 8,613 | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,250 | 3,750 | 3,920 | 10.4 | 17.4 | 18.2 | 8.6 | 18.0 |
| | 9 | 9 | 9 | 18 | 45 | 6,460 | 6,460 | 6,460 | 12,920 | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,250 | 3,750 | 3,920 | 10.4 | 17.4 | 18.2 | 8.6 | 18.0 |
| | 12 | 12 | 12 | 12 | 48 | 8,075 | 8,075 | 8,075 | 8,075 | 19,380 | 5.7 | 32,300 | 9.5 | 36,000 | 10.6 | 2,250 | 3,750 | 3,920 | 10.4 | 17.4 | 18.2 | 8.6 | 18.0 |

**Non Ducted Type Indoor Unit *continued***
**Heating**

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | COP | HSPF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Rated | Max | Min | Rated | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 10,350 | 10,350 | - | - | 12,420 | 3.7 | 20,700 | 6.1 | 22,770 | 6.7 | 1,554 | 2,590 | 3,090 | 7.2 | 12.0 | 14.3 | 2.3 | 8.5 |
| | 9 | 12 | - | - | 21 | 10,329 | 13,771 | - | - | 14,460 | 4.3 | 24,100 | 7.1 | 26,510 | 7.8 | 1,608 | 2,680 | 3,100 | 7.5 | 12.4 | 14.4 | 2.6 | 8.5 |
| | 12 | 12 | - | - | 24 | 13,800 | 13,800 | - | - | 16,560 | 4.9 | 27,600 | 8.1 | 30,360 | 8.9 | 1,662 | 2,770 | 3,300 | 7.7 | 12.8 | 15.3 | 2.9 | 8.5 |
| | 9 | 18 | - | - | 27 | 10,000 | 20,000 | - | - | 18,000 | 5.3 | 30,000 | 8.8 | 33,000 | 9.7 | 1,770 | 2,950 | 3,500 | 8.2 | 13.7 | 16.2 | 3.0 | 8.7 |
| | 12 | 18 | - | - | 30 | 13,200 | 19,800 | - | - | 19,800 | 5.8 | 33,000 | 9.7 | 36,300 | 10.7 | 1,878 | 3,130 | 4,010 | 8.7 | 14.5 | 18.6 | 3.1 | 8.7 |
| | 18 | 18 | - | - | 36 | 17,000 | 17,000 | - | - | 20,400 | 6.0 | 34,000 | 10.0 | 37,400 | 11.0 | 2,166 | 3,610 | 4,010 | 10.0 | 16.7 | 18.6 | 2.8 | 8.7 |
| 3 INDOOR UNITS | 9 | 9 | 9 | - | 27 | 10,333 | 10,333 | 10,333 | - | 18,600 | 5.5 | 31,000 | 9.1 | 34,100 | 10.0 | 1,800 | 3,000 | 3,500 | 8.3 | 13.9 | 16.2 | 3.0 | 8.9 |
| | 9 | 9 | 12 | - | 30 | 10,200 | 10,200 | 13,600 | - | 20,400 | 6.0 | 34,000 | 10.0 | 37,400 | 11.0 | 1,932 | 3,220 | 4,000 | 9.0 | 14.9 | 18.6 | 3.1 | 8.9 |
| | 9 | 12 | 12 | - | 33 | 9,545 | 12,727 | 12,727 | - | 21,000 | 6.2 | 35,000 | 10.3 | 38,500 | 11.3 | 2,076 | 3,460 | 4,050 | 9.6 | 16.0 | 18.8 | 3.0 | 8.9 |
| | 12 | 12 | 12 | - | 36 | 11800 | 11800 | 11,800 | - | 21,240 | 6.2 | 35,400 | 10.4 | 41,000 | 12.1 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 8.9 |
| | 9 | 9 | 18 | - | 36 | 8,850 | 8,850 | 17,700 | - | 21,240 | 6.2 | 35,400 | 10.4 | 41,000 | 12.1 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 9.1 |
| | 9 | 12 | 18 | - | 39 | 8,169 | 10,892 | 16,338 | - | 21,240 | 6.2 | 35,400 | 10.4 | 41,000 | 12.1 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 9.1 |
| | 12 | 12 | 18 | - | 42 | 10,114 | 10,114 | 15,171 | - | 21,240 | 6.2 | 35,400 | 10.4 | 41,000 | 12.1 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 9.1 |
| | 9 | 18 | 18 | - | 45 | 7,080 | 14,160 | 14,160 | - | 21,240 | 6.2 | 35,400 | 10.4 | 41,000 | 12.1 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 9.1 |
| | 12 | 18 | 18 | - | 48 | 8,850 | 13,275 | 13,275 | - | 21,240 | 6.2 | 35,400 | 10.4 | 41,000 | 12.1 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 9.1 |
| 4 INDOOR UNITS | 9 | 9 | 9 | 9 | 36 | 8,850 | 8,850 | 8,850 | 8,850 | 21,240 | 6.2 | 35,400 | 10.4 | 42,000 | 12.3 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 9.1 |
| | 9 | 9 | 9 | 12 | 39 | 8,169 | 8,169 | 8,169 | 10,892 | 21,240 | 6.2 | 35,400 | 10.4 | 42,000 | 12.3 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 9.1 |
| | 9 | 9 | 12 | 12 | 42 | 7,586 | 7,586 | 10,114 | 10,114 | 21,240 | 6.2 | 35,400 | 10.4 | 42,000 | 12.3 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 9.1 |
| | 9 | 12 | 12 | 12 | 45 | 7,080 | 9,440 | 9,440 | 9,440 | 21,240 | 6.2 | 35,400 | 10.4 | 42,000 | 12.3 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 9.1 |
| | 9 | 9 | 9 | 18 | 45 | 7,080 | 7,080 | 7,080 | 14,160 | 21,240 | 6.2 | 35,400 | 10.4 | 42,000 | 12.3 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 9.1 |
| | 12 | 12 | 12 | 12 | 48 | 8,850 | 8,850 | 8,850 | 8,850 | 21,240 | 6.2 | 35,400 | 10.4 | 42,000 | 12.3 | 2,220 | 3,700 | 4,100 | 10.3 | 17.2 | 18.8 | 2.8 | 9.1 |

**Ducted Type Indoor Unit**
**Cooling**

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | EER | SEER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Rated | Max | Min | Rated | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 9,000 | 9,000 | - | - | 10,800 | 3.2 | 18,000 | 5.3 | 19,800 | 5.8 | 980 | 1,630 | 2,560 | 4.5 | 7.6 | 11.9 | 10 | 14.3 |
| | 9 | 12 | - | - | 21 | 9,000 | 12,000 | - | - | 12,600 | 3.7 | 21,000 | 6.2 | 23,100 | 6.8 | 1,080 | 1,790 | 2,760 | 5.0 | 8.3 | 12.8 | 10.7 | 14.5 |
| | 12 | 12 | - | - | 24 | 12,000 | 12,000 | - | - | 14,400 | 4.2 | 24,000 | 7.1 | 26,400 | 7.8 | 1,170 | 1,950 | 2,970 | 5.4 | 9.0 | 13.8 | 11.3 | 14.9 |
| | 9 | 18 | - | - | 27 | 9,000 | 18,000 | - | - | 16,200 | 4.8 | 27,000 | 7.9 | 29,700 | 8.7 | 1,390 | 2,310 | 3,430 | 6.4 | 10.7 | 15.9 | 10.7 | 15.6 |
| | 12 | 18 | - | - | 30 | 11,600 | 17,400 | - | - | 17,400 | 5.1 | 29,000 | 8.5 | 32,000 | 9.4 | 1,660 | 2,960 | 3,900 | 7.7 | 13.7 | 18.1 | 9.8 | 15.6 |
| | 18 | 18 | - | - | 36 | 16,500 | 16,500 | - | - | 19,800 | 5.8 | 33,000 | 9.7 | 35,000 | 10.3 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 15.6 |
| 3 INDOOR UNITS | 9 | 9 | 9 | - | 27 | 9,000 | 9,000 | 9,000 | - | 16,200 | 4.8 | 27,000 | 7.9 | 29,700 | 8.7 | 1,390 | 2,310 | 3,430 | 6.4 | 10.7 | 15.9 | 11.7 | 16.0 |
| | 9 | 9 | 12 | - | 30 | 9,000 | 9,000 | 12,000 | - | 18,000 | 5.3 | 30,000 | 8.8 | 33,000 | 9.7 | 1,660 | 2,960 | 3,900 | 7.7 | 13.7 | 18.1 | 10.1 | 16.0 |
| | 9 | 12 | 12 | - | 33 | 8,618 | 11,491 | 11,491 | - | 18,960 | 5.6 | 31,600 | 9.3 | 34,500 | 10.1 | 1,900 | 3,370 | 4,010 | 8.8 | 15.6 | 18.6 | 9.4 | 16.0 |
| | 12 | 12 | 12 | - | 36 | 11,000 | 11,000 | 11,000 | - | 19,800 | 5.8 | 33,000 | 9.7 | 36,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 16.0 |
| | 9 | 9 | 18 | - | 36 | 8,250 | 8,250 | 16,500 | - | 19,800 | 5.8 | 33,000 | 9.7 | 36,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 16.2 |
| | 9 | 12 | 18 | - | 39 | 7,615 | 10,154 | 15,231 | - | 19,800 | 5.8 | 33,000 | 9.7 | 36,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 16.2 |

**Ducted Type Indoor Unit *continued***

**Cooling**

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | EER | SEER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Rated | Max | Min | Rated | Max | | |
| | 12 | 12 | 18 | - | 42 | 9,429 | 9,429 | 14,143 | - | 19,800 | 5.8 | 33,000 | 9.7 | 33,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 16.2 |
| | 9 | 18 | 18 | - | 45 | 6,600 | 13,200 | 13,200 | - | 19,800 | 5.8 | 33,000 | 9.7 | 33,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 16.6 |
| | 12 | 18 | 18 | - | 48 | 8,250 | 12,375 | 12,375 | - | 19,800 | 5.8 | 33,000 | 9.7 | 33,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 16.6 |
| 4 INDOOR UNITS | 9 | 9 | 9 | 9 | 36 | 8,250 | 8,250 | 8,250 | 8,250 | 19,800 | 5.8 | 33,000 | 9.7 | 33,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 17.0 |
| | 9 | 9 | 9 | 12 | 39 | 7,615 | 7,615 | 7,615 | 10,154 | 19,800 | 5.8 | 33,000 | 9.7 | 33,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 17.0 |
| | 9 | 9 | 12 | 12 | 42 | 7,071 | 7,071 | 9,429 | 9,429 | 19,800 | 5.8 | 33,000 | 9.7 | 33,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 17.0 |
| | 9 | 12 | 12 | 12 | 45 | 6,600 | 8,800 | 8,800 | 8,800 | 19,800 | 5.8 | 33,000 | 9.7 | 33,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 17.0 |
| | 9 | 9 | 9 | 18 | 45 | 6,600 | 6,600 | 6,600 | 13,200 | 19,800 | 5.8 | 33,000 | 9.7 | 33,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 17.0 |
| | 12 | 12 | 12 | 12 | 48 | 8,250 | 8,250 | 8,250 | 8,250 | 19,800 | 5.8 | 33,000 | 9.7 | 33,000 | 10.6 | 2,230 | 3,800 | 4,010 | 10.3 | 17.6 | 18.6 | 8.7 | 17.0 |

**Heating**

| | Combination of Indoor Unit (kBTU/h Class) | | | | | Room Capacity | | | | Total Capacity | | | | | | Input(W) | | | Current(A) | | | COP | HSPF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Min | | Middle | | Max | | | | | | | | | |
| INDOOR UNIT | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | UNIT-A (BTU/h) | UNIT-B (BTU/h) | UNIT-C (BTU/h) | UNIT-D (BTU/h) | BTU/h | kW | BTU/h | kW | BTU/h | kW | Min | Rated | Max | Min | Rated | Max | | |
| 2 INDOOR UNITS | 9 | 9 | - | - | 18 | 10,350 | 10,350 | - | - | 12,420 | 3.7 | 20,700 | 6.1 | 22,770 | 6.7 | 1,480 | 2,460 | 2,940 | 6.9 | 11.4 | 13.6 | 2.5 | 8.1 |
| | 9 | 12 | - | - | 21 | 10,350 | 13,800 | - | - | 14,490 | 4.3 | 24,150 | 7.1 | 26,560 | 7.8 | 1,530 | 2,550 | 2,950 | 7.1 | 11.8 | 13.7 | 2.8 | 8.1 |
| | 12 | 12 | - | - | 24 | 13,800 | 13,800 | - | - | 16,560 | 4.9 | 27,600 | 8.1 | 30,360 | 8.9 | 1,580 | 2,630 | 3,140 | 7.3 | 12.2 | 14.6 | 3.1 | 8.1 |
| | 9 | 18 | - | - | 27 | 10,350 | 20,700 | - | - | 18,630 | 5.5 | 31,050 | 9.1 | 34,150 | 10.0 | 1,680 | 2,800 | 3,330 | 7.8 | 13.0 | 15.4 | 3.2 | 8.3 |
| | 12 | 18 | - | - | 30 | 13,340 | 20,010 | - | - | 20,010 | 5.9 | 33,350 | 9.8 | 36,680 | 10.8 | 1,780 | 2,970 | 3,810 | 8.3 | 13.8 | 17.7 | 3.3 | 8.3 |
| | 18 | 18 | - | - | 36 | 18,975 | 18,975 | - | - | 22,770 | 6.7 | 37,950 | 11.2 | 40,000 | 11.8 | 2,060 | 3,430 | 3,810 | 9.6 | 15.9 | 17.7 | 3.2 | 8.3 |
| 3 INDOOR UNITS | 9 | 9 | 9 | - | 27 | 10,350 | 10,350 | 10,350 | - | 18,630 | 5.5 | 31,050 | 9.1 | 35,700 | 10.5 | 1,710 | 2,850 | 3,330 | 7.9 | 13.2 | 15.4 | 3.2 | 8.5 |
| | 9 | 9 | 12 | - | 30 | 10,350 | 10,350 | 13,800 | - | 20,700 | 6.1 | 34,500 | 10.1 | 38,640 | 11.4 | 1,840 | 3,060 | 3,800 | 8.5 | 14.2 | 17.6 | 3.3 | 8.5 |
| | 9 | 12 | 12 | - | 33 | 9,911 | 13,215 | 13,215 | - | 21,804 | 6.4 | 36,340 | 10.7 | 39,820 | 11.7 | 1,970 | 3,290 | 3,850 | 9.1 | 15.3 | 17.9 | 3.2 | 8.5 |
| | 12 | 12 | 12 | - | 36 | 12,333 | 12,333 | 12,333 | - | 22,200 | 6.5 | 37,000 | 10.9 | 41,000 | 12.1 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 8.5 |
| | 9 | 9 | 18 | - | 36 | 9,250 | 9,250 | 18,500 | - | 22,200 | 6.5 | 37,000 | 10.9 | 41,000 | 12.1 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 8.6 |
| | 9 | 12 | 18 | - | 39 | 8,538 | 11,385 | 17,077 | - | 22,200 | 6.5 | 37,000 | 10.9 | 41,300 | 12.1 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 8.6 |
| | 12 | 12 | 18 | - | 42 | 10,571 | 10,571 | 15,857 | - | 22,200 | 6.5 | 37,000 | 10.9 | 41,600 | 12.2 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 8.6 |
| | 9 | 18 | 18 | - | 45 | 7,400 | 14,800 | 14,800 | - | 22,200 | 6.5 | 37,000 | 10.9 | 42,000 | 12.3 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 8.9 |
| | 12 | 18 | 18 | - | 48 | 9,250 | 13,875 | 13,875 | - | 22,200 | 6.5 | 37,000 | 10.9 | 42,300 | 12.4 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 8.9 |
| 4 INDOOR UNITS | 9 | 9 | 9 | 9 | 36 | 9,250 | 9,250 | 9,250 | 9,250 | 22,200 | 6.5 | 37,000 | 10.9 | 41,000 | 12.1 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 9.0 |
| | 9 | 9 | 9 | 12 | 39 | 8,538 | 8,538 | 8,538 | 11,385 | 22,200 | 6.5 | 37,000 | 10.9 | 42,300 | 12.4 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 9.0 |
| | 9 | 9 | 12 | 12 | 42 | 7,929 | 7,929 | 10,571 | 10,571 | 22,200 | 6.5 | 37,000 | 10.9 | 41,600 | 12.2 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 9.0 |
| | 9 | 12 | 12 | 12 | 45 | 7,400 | 9,867 | 9,867 | 9,867 | 22,200 | 6.5 | 37,000 | 10.9 | 42,000 | 12.3 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 9.0 |
| | 9 | 9 | 9 | 18 | 45 | 7,400 | 7,400 | 7,400 | 14,800 | 22,200 | 6.5 | 37,000 | 10.9 | 42,000 | 12.3 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 9.0 |
| | 12 | 12 | 12 | 12 | 48 | 9,250 | 9,250 | 9,250 | 9,250 | 22,200 | 6.5 | 37,000 | 10.9 | 42,000 | 12.3 | 2,110 | 3,520 | 3,900 | 9.8 | 16.3 | 18.1 | 3.1 | 9.0 |

# INNOVATIVE COMFORT SOLUTIONS



# DUCT-FREE FLOOR STANDING & CEILING CASSETTE AIR CONDITIONING SYSTEMS

## High-Capacity Split Systems

The Floor Standing and Ceiling Cassette models are ideal for light commercial applications and work well in large, open spaces. The ceiling cassette is a useful alternative when floor space is limited.

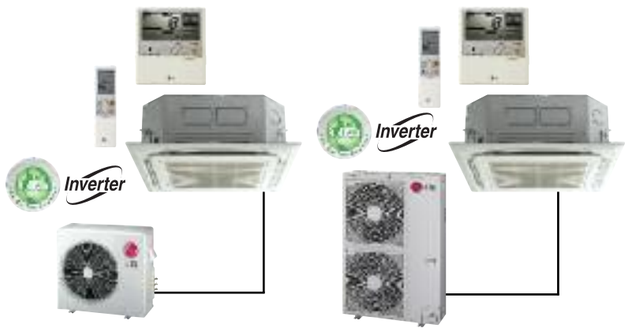
The outdoor unit for both models operate on high-voltage (230/208) power.

Duct-Free Split
Floor Standing Indoor Units

Duct-Free Split
Ceiling Cassette Indoor Units
White Finish

24,000 BTUs 42,000 BTUs

**Single Zone** Split Systems
Floor Standing




24,000 BTUs 42,000 BTUs

**Single Zone** Split Systems
Ceiling Cassette

## DUCT-FREE • FLOOR STANDING SINGLE ZONE

### 24,000 BTUs

**LF246HV** (H/P Model)
C 24,000 BTUs Cooling
H 26,000 BTUs Heating

### 42,000 BTUs

**LF426HV** (H/P Model)
C 42,000 BTUs Cooling
H 44,000 BTUs Heating

FEATURES:
- Inverter(Variable speed compressor)
- R-410a Refrigerant
- Three-dimensional cooling (24k BTUs Only)
- Jet Cool
- Cooling mode
- Dehumidifying mode
- Evaporator frost control
- 7-Hour on/off timer
- Auto restart
- Auto Changeover
- Plasma Air Purifying System (24k BTUs Only)
- Built-in remote control holder
- Temperature display on indoor unit
- Control lock function
- Ultra-quiet turbo fan (24k BTUs Only)
- Gold Fin™ Anti-Corrosion

Interior Unit Includes:
- Floor standing unit
- Remote control & batteries
- Installation manual

Exterior Unit Includes:
- Sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

ETL# : 3091879

| System Model # | LF246HV | LF426HV |
|---|---|---|
| Indoor Model # | LFN246HV | LFN426HV |
| Outdoor Model # | LUU246HV | LUU426HV |
| **Performance** | | |
| Capacity (BTUs) C H | 23,000/25,000 | 41,000/41,000 |
| SEER | 13 | 13 |
| HSPF | 7.7 | 7.7 |
| EER | 9.2/9.8 | 8.8/8.9 |
| Air Circulation (CFM H/M/L) | 671/565/459 | 1,236/1,059/882 |
| Fan Speeds (Cooling/Fan) | 3/3 | 3/3 |
| Dehumidification (pts/hr) | - | |
| Indoor dB(A)* | 45/42/40 | 56/53/51 |
| Outdoor dB(A)* | 55 | 58 |
| **Electrical** | | |
| Rated Voltage Outdoor | 230/208-60-1 | 230/208-60-1 |
| Rated Voltage Indoor | 230/208 | 230/208 |
| Power Input (Cooling/Heating) | 2,500/2,550 | 4,670/4,630 |
| Max Power Input | 3,800 | 5,700 |
| **Indoor Dimensions** | 22 4/9 x | 23 7/32 x |
| W x H x D (inches) | 71 2/3 x | 71 1/4 x |
| | 12 3/5 | 17 5/16 |
| Weight (lbs.) | 94.8 | 127.9 |
| **Outdoor Dimensions** | 34 1/4 x | 37 13/32 x |
| W x H x D (inches) | 31 1/2 x | 54 21/64 x |
| | 12 19/32 | 12 31/32 x |
| Weight (lbs.) | 132.3 | 227.1 |
| **Thermostat Range** | | |
| Cooling (°F) | 61-86 | 61-86 |
| Heating (°F) | 60-86 | 60-86 |

*LG verified sound ratings



**Warranty: 2 years parts; 5 years compressor.**
**See page 51 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## DUCT-FREE • CEILING CASSETTE SINGLE ZONE

### 24,000 BTUs

**LC246HV** (H/P Model)
C 24,000 BTUs Cooling
H 26,000 BTUs Heating

* Cassette Grill sold separately
Model# : PT-UMC

### 42,000 BTUs

**LC426HV** (H/P Model)
C 42,000 BTUs Cooling
H 44,000 BTUs Heating

* Cassette Grill sold separately
Model# : PT-UMC

FEATURES:
- Inverter(Variable speed compressor)
- R-410A Refrigerant
- Internal condensate pump included
- Swirl Wind
- Four-way cooling
- Jet Cool
- Cooling mode
- Dehumidifying mode
- Fan mode
- Independent vane control
- 5 fan speeds
- Evaporator frost control
- 24-Hour on/off timer
- Auto restart
- Auto changeover
- Temperature display on remote
- Ultra-quiet turbo fan
- Gold Fin™ Anti-Corrosion

Interior Unit Includes:
- Ceiling unit
- Wired control & wireless remote control with batteries
- Installation manual
- Accessory
  - Model name : PT-UMC (Ceiling grill sold separately)
  - Model name : PTPKM0 (Plasma kit sold separately)

Exterior Unit Includes:
- Sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

ETL# : 3091879

| System Model # | LC246HV | LC426HV |
|---|---|---|
| Indoor Model # | LCN246HV | LCN426HV |
| Outdoor Model # | LUU246HV | LUU426HV |
| Ceiling Grill Model# (Sold Separately) | PT-UMC | PT-UMC |
| **Performance** | | |
| Capacity (BTUs) C H | 23,000/25,000 | 41,000/41,000 |
| SEER | 14 | 14 |
| HSPF | 7.7 | 7.7 |
| EER | 9.2/9.8 | 8.8/8.9 |
| Air Circulation (CFM H/M/L) | 636/565/494 | 1,200/1,130/1,060 |
| Fan Speeds (Cooling/Fan) | 5/4 | 5/4 |
| Dehumidification (pts/hr) | 2.1 | 3.6 |
| Indoor dB(A)* | 39/37/34 | 46/44/40 |
| Outdoor dB(A)* | 55 | 58 |
| **Electrical** | | |
| Rated Voltage Outdoor | 230/208-60-1 | 230/208-60-1 |
| Rated Voltage Indoor | 230/208 | 230/208 |
| Power Input (Cooling/Heating) | 2,500/2,550 | 4,670/4,630 |
| Max Power Input | 3,800 | 5,700 |
| **Indoor Dimensions** | 33 5/64 x | 33 5/64 x |
| W x H x D (inches) | 33 5/64 x | 33 5/64 x |
| | 8 1/32 | 11 1/3 |
| Weight (lbs.) | 46.3 | 57.3 |
| **Outdoor Dimensions** | 34 1/4 x | 37 13/32 x |
| W x H x D (inches) | 31 1/2 x | 54 21/64 x |
| | 12 19/32 | 12 31/32 x |
| Weight (lbs.) | 132.3 | 227.1 |
| **Thermostat Range** | | |
| Cooling (°F) | 64-86 | 64-86 |
| Heating (°F) | 60-86 | 60-86 |

*LG verified sound ratings

**Warranty: 2 years parts; 5 years compressor.**
**See page 51 for electrical specifications, refrigerant line requirements & formulas. See page 27 for installation materials.**

## ELECTRICAL & REFRIGERATION • QUICK REFERENCE

### Electrical Specifications†

| | Type | System # | BTUs | Voltage Indoor | Voltage Outdoor | Rated Amps | MCA* | MOP** |
|---|---|---|---|---|---|---|---|---|
| Floor Standing | H/P (C)(H) | LF245HV | 24,000 | 230/208 | 230/208 | 11.5/11.5 | 20 | 30 |
| | H/P (C)(H) | LF425HV | 42,000 | 230/208 | 230/208 | 20.0/20.0 | 30 | 40 |
| Ceiling Cassette | H/P (C)(H) | LC245HV | 24,000 | 230/208 | 230/208 | 11.5/12.4 | 20 | 30 |
| | H/P (C)(H) | LC425HV | 42,000 | 230/208 | 230/208 | 11.5/16.5 | 30 | 40 |

All equipment single phase.

***Minimum Circuit Ampacity**
****Maximum Overcurrent Protection**

NOTE: Please see local electrical codes for proper wire specifications.

### Wire Size

Minimum wiring requirements suggested by manufacturer.

| | |
|---|---|
| Minimum AWG | 14-3 |
| Indoor/Outdoor Connecting Cable Minimum AWG | 14-3 |

### Refrigerant Line Specifications†

| | Type | System # | BTUs | Pipe size Liquid | Pipe size Suction | Additional Refrigerant | Max. length each pipe | Max. elevation |
|---|---|---|---|---|---|---|---|---|
| Floor Standing | H/P (C)(H) | LF245HV | 24,000 | 3/8" | 5/8" | 0.32 oz./ft. | 100' | 66' |
| | H/P (C)(H) | LF425HV | 42,000 | 3/8" | 5/8" | 0.42 oz./ft. | 131' | 82' |
| Ceiling Cassette | H/P (C)(H) | LC245HV | 24,000 | 3/8" | 5/8" | 0.32 oz./ft. | 100' | 50' |
| | H/P (C)(H) | LC425HV | 42,000 | 3/8" | 5/8" | 0.42 oz./ft. | 115' | 66' |

†Each system is pre-charged with enough refrigerant to charge 25 ft. of line and the interior unit.



# PACKAGED TERMINAL AIR CONDITIONERS

Ultra-quiet operation is the hallmark of LG's new line of PTAC products. Low decibel levels and an outstanding sound-prevention rating make this your best choice for a quiet environment. And with efficiency ratings up to 11.6 EER, these units are also your energy efficient choice.

Other features include standard connections for remote thermostat and front desk controls. Gold Fin™ technology protects the unit from the corrosive effects of outside air and extends the operating life of PTAC models. And the industry standard size makes installation easy and economical.

R-410A

7,000-15,000 BTUs

LG PTAC SYSTEMS ULTRA QUIET

**Digital Control Panel**

**Wireless Environmental Control Manager (ECM)**

LG Life's Good

# PTAC Features & Benefits

**R 410A Refrigerant**

Environmentally Friendly Refreigeratnt utilized in the majority of LG systems

**Digital Control Display Includes:**

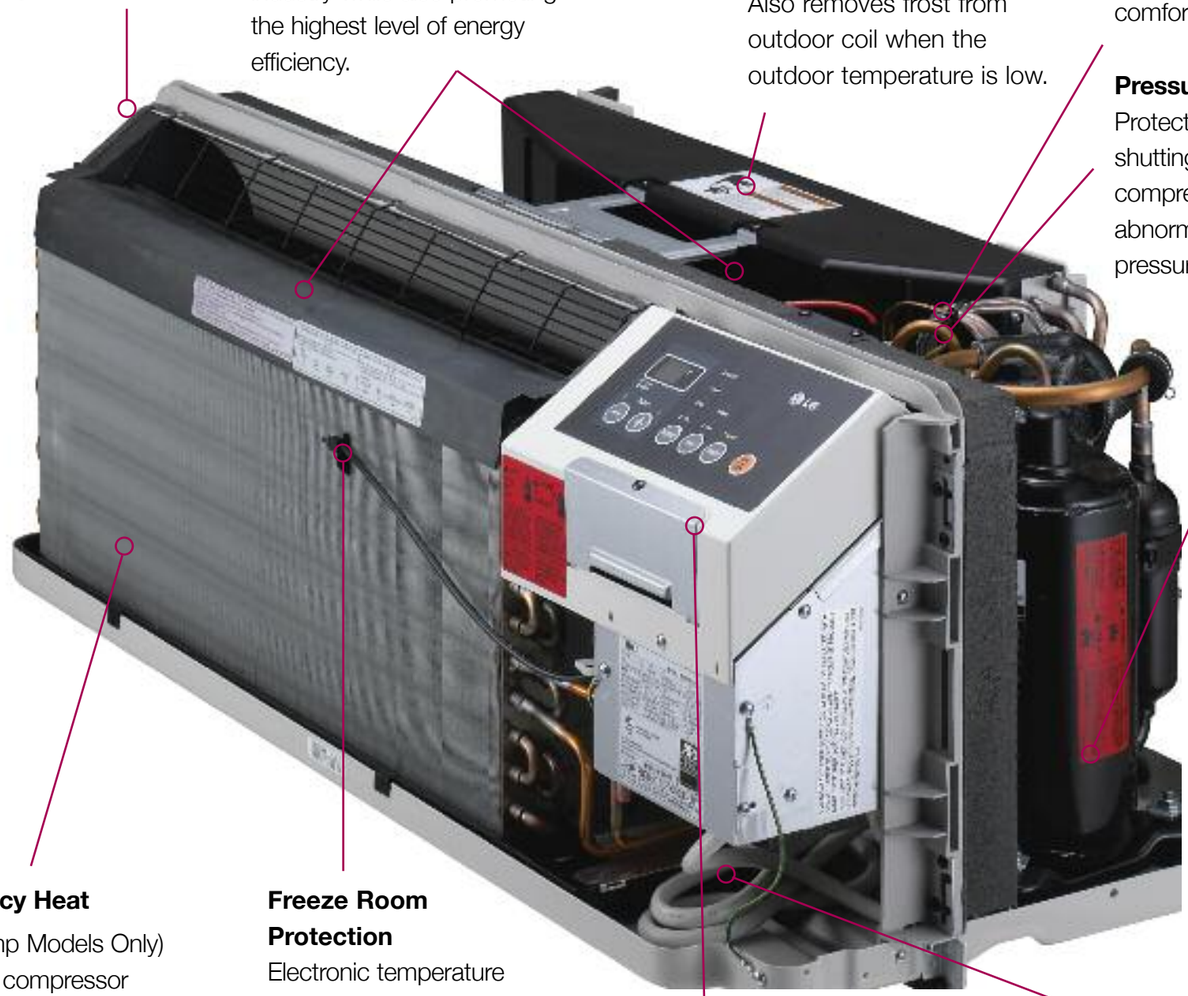
- Temperature Display on Unit
  Precise and easy to use.
  **ADA compliant.**
- Cooling, Heating and Fan Modes
  One unit for all seasons.
- Energy Saver Mode
  Helps to lower energy consumption operational costs and saves money.
- Auto Restart
  Automatically restarts to programmed setting when the electricity comes on after a power failure.

**Ventilation Filter**

Polymeric mesh filter allows clean, fresh air into the living space. Ideal for Health Care applications.

**Separate Indoor & Outdoor Motors***

Dual motor configuration allows the lowest sound rating in the industry while also promoting the highest level of energy efficiency.



**Emergency Heat**

(Heat Pump Models Only) Bypasses compressor operation and activates the ceramic or coil heater during periods of extreme cold. Promotes high level of guest comfort.

**Freeze Room Protection**

Electronic temperature controls constantly monitor and maintain indoor temperature to prevent freezing.

**Dip Switch setting**

Saves money by control the Lowest & Highest temperature

**Power Cord**

Included with every unit.

**Defrost Control**

(Heat Pump Models Only) Shuts down the indoor fan to prevent cold air from being blown into the room. Also removes frost from outdoor coil when the outdoor temperature is low.

**Sensors**

4 Sensors provide highly efficient operation and maximize guest comfort.

**Pressure control**

Protects guests by shutting down the compressor on abnormal high pressure condition

**High-Efficiency Rotary Compressor**

Energy efficient and maintenance-free operation.



1-year full system warranty, parts and labor. Warranty on unit for years 2-5: parts only, exclusive of the refrigeration system. Warranty on sealed refrigeration system: 5 year, parts and labor. See pages 55-57 for part and accessoris.

PACKAGED TERMINAL AIR CONDITIONERS

**LG Environmental Control Manager (ECM)**

- Digital touch-screen controls
- Intergrated occupancy sensor
- Built-in wireless networking
- Web-based remote management
- Effortless installation
- Unprecedented energy savings

**Wireless PTAC Control Card**

- Snaps directly to PTAC Control Board

**Gold Fin™ Anti-Corrosion**

Protects the unit from the corrosive effects of outside air and extends the operating life of PTAC models. LG's patented process is standard on **ALL** LG PTAC models.

**Ceramic Heater**

Even, stable and safe heating platform.

*230V only

## PACKAGED TERMINAL AIR CONDITIONERS

# 7,000-15,000 BTUs Digital Control (230V)

**C LP073CD2A** (H/C Model)
7,400 BTUs Cooling & Heating

**LP093CD3A** (H/C Model)
9,000 BTUs Cooling & Heating

**LP123CD3A** (H/C Model)
11,800 BTUs Cooling & Heating

**LP153CD3A** (H/C Model)
14,300 BTUs Cooling & Heating

**C H LP073HD2A** (Heat Pump Model)
7,400 BTUs Cooling & Heating

**LP093HD3A** (Heat Pump Model)
9,000 BTUs Cooling & Heating

**LP123HD3A** (Heat Pump Model)
11,800 BTUs Cooling & Heating

**LP153HD3A** (Heat Pump Model)
14,700 BTUs Cooling & Heating

## FEATURES:

- Gold Fin™ anti-corrosion treatment
- Cooling mode
- Heating mode
- Fan mode
- Energy saver mode
- Auto restart
- Digital temperature control
- Front desk control connection
- Dip switch settings
- Evaporator frost control
- Temperature display on unit
- Freeze room protection
- Pressure control
- Ceramic heater

**System Includes:**
- Wall unit
- Installation manual
- UL# : SA13362

| System Model # | LP073CD2A | LP093CD3A | LP123CD3A | LP153CD3A | LP073HD2A | LP093HD3A | LP123HD3A | LP153HD3A |
|---|---|---|---|---|---|---|---|---|
| Control Type | Digital | Digital | Digital | Digital | Digital | Digital | Digital | Digital |
| **Performance** | | | | | | | | |
| Capacity (BTUs) C | 7,400/7,200 | 9,000/8,800 | 11,800/11,600 | 14,300/14,100 | 7,400/7,200 | 9,000/8,800 | 11,800/11,600 | 14,700/14,500 |
| H | | | | | 6,400/6,200 | 8,100/7,900 | 10,800/10,600 | 12,100/11,900 |
| Refrigerant | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A |
| EER | 11.6 | 11.0 | 10.6 | 9.2 | 11.6 | 11.0 | 10.6 | 9.4 |
| Air Circulation (CFM H/L) | 335/300 | 335/300 | 390/355 | 390/355 | 335/300 | 335/300 | 390/355 | 390/355 |
| Fan Speeds (Cooling/Heating/Fan) | 2/2/2 | 2/2/2 | 2/2/2 | 2/2/2 | 2/2/2 | 2/2/2 | 2/2/2 | 2/2/2 |
| Dehumidification (pts/hr) | 2.0 | 2.6 | 3.5 | 4.4 | 2.0 | 2.6 | 3.5 | 4.6 |
| Indoor dB(A)* | 45/43 | 46/44 | 50/48 | 50/48 | 45/43 | 46/44 | 50/48 | 50/48 |
| Outdoor dB(A)* | 61 | 61 | 63 | 63 | 61 | 61 | 63 | 63 |
| STC | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| **Electrical** | | | | | | | | |
| Rated Voltage | 230/208-60-1 | 230/208-60-1 | 230/208-60-1 | 230/208-60-1 | 230/208-60-1 | 230/208-60-1 | 230/208-60-1 | 230/208-60-1 |
| Electric Heater (kW) | 2.5 | 3.5 | 3.5 | 3.5 | 2.5 | 3.5 | 3.5 | 3.5 |
| Circuit Breaker (A) | 15 | 20 | 20 | 20 | 15 | 20 | 20 | 20 |
| **Dimensions** | 42 x | 42 x | 42 x | 42 x | 42 x | 42 x | 42 x | 42 x |
| W x H x D (inches) | 16 x | 16 x | 16 x | 16 x | 16 x | 16 x | 16 x | 16 x |
| 19 7/8 | 19 7/8 | 19 7/8 | 19 7/8 | 19 7/8 | 19 7/8 | 19 7/8 | 19 7/8 | |
| Weight (lbs.) | 86 | 93 | 93 | 101 | 91 | 97 | 97 | 105 |
| **Thermostat Range** | | | | | | | | |
| Cooling/Heating (°F)** | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 |

*LG verified sound rating

**Adjustable by temperature limiting with DIP switches on the unit



1-year full system warranty, parts and labor. Warranty on unit for years 2-5: parts only, exclusive of the refrigeration system. Warranty on sealed refrigeration system: 5 year, parts and labor. See pages 55-57 for parts and accessories.

## PACKAGED TERMINAL AIR CONDITIONERS

# 7,000-15,000 BTUs Digital Control (265V)

**C LP076CD2A** (H/C Model)
7,200 BTUs Cooling & Heating

**LP096CD3A** (H/C Model)
9,000 BTUs Cooling & Heating

**LP126CD3A** (H/C Model)
11,800 BTUs Cooling & Heating

**LP156CD3A** (H/C Model)
14,000 BTUs Cooling & Heating

**C H LP076HD2A** (Heat Pump Model)
7,300 BTUs Cooling & Heating

**LP096HD3A** (Heat Pump Model)
9,200 BTUs Cooling & Heating

**LP126HD3A** (Heat Pump Model)
11,800 BTUs Cooling & Heating

**LP156HD3A** (Heat Pump Model)
14,700 BTUs Cooling & Heating

## FEATURES:

- Gold Fin™ anti-corrosion treatment
- Cooling mode
- Heating mode
- Fan mode
- Energy saver mode
- Auto restart
- Digital temperature control
- Front desk control connection
- Dip switch settings
- Evaporator frost control
- Temperature display on unit
- Freeze room protection
- Pressure control

**System Includes:**
- Wall unit
- Installation manual
- UL# : SA13362

| System Model # | LP076CD2A | LP096CD3A | LP126CD3A | LP156CD3A | LP076HD2A | LP096HD3A | LP126HD3A | LP156HD3A |
|---|---|---|---|---|---|---|---|---|
| Control Type | Digital | Digital | Digital | Digital | Digital | Digital | Digital | Digital |
| **Performance** | | | | | | | | |
| Capacity (BTUs) C | 7,200 | 9,000 | 11,800 | 14,000 | 7,300 | 9,200 | 11,800 | 14,700 |
| H | | | | | 6,100 | 8,200 | 10,700 | 12,100 |
| Refrigerant | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A |
| EER | 11.0 | 10.5 | 10.2 | 9.0 | 11.2 | 10.8 | 10.4 | 9.4 |
| Air Circulation (CFM H/L) | 300/270 | 300/270 | 420/390 | 420/390 | 300/270 | 300/270 | 420/390 | 420/390 |
| Fan Speeds (Cooling/Heating/Fan) | 2/2/2 | 2/2/2 | 2/2/2 | 2/2/2 | 2/2/2 | 2/2/2 | 2/2/2 | 2/2/2 |
| Dehumidification (pts/hr) | 2.0 | 2.6 | 3.5 | 4.4 | 2.0 | 2.6 | 3.5 | 4.6 |
| Indoor dB(A)* | 45/43 | 46/44 | 50/48 | 50/48 | 45/43 | 46/44 | 50/48 | 50/48 |
| Outdoor dB(A)* | 61 | 61 | 63 | 63 | 61 | 61 | 63 | 63 |
| STC | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| **Electrical** | | | | | | | | |
| Rated Voltage | 265-60-1 | 265-60-1 | 265-60-1 | 265-60-1 | 265-60-1 | 265-60-1 | 265-60-1 | 265-60-1 |
| Electric Heater (kW) | 2.0 | 3.7 | 3.7 | 3.7 | 2.0 | 3.7 | 3.7 | 3.7 |
| Circuit Breaker (A) | 15 | 20 | 20 | 20 | 15 | 20 | 20 | 20 |
| **Dimensions** | 42 x | 42 x | 42 x | 42 x | 42 x | 42 x | 42 x | 42 x |
| W x H x D (inches) | 16 x | 16 x | 16 x | 16 x | 16 x | 16 x | 16 x | 16 x |
| 19 7/8 | 19 7/8 | 19 7/8 | 19 7/8 | 19 7/8 | 19 7/8 | 19 7/8 | 19 7/8 | |
| Weight (lbs.) | 88 | 94 | 94 | 102 | 91 | 99 | 99 | 106 |
| **Thermostat Range** | | | | | | | | |
| Cooling/Heating (°F)** | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 | 54-86/54-86 |

*LG verified sound rating

**Adjustable by temperature limiting with DIP switches on the unit

1-year full system warranty, parts and labor. Warranty on unit for years 2-5: parts only, exclusive of the refrigeration system. Warranty on sealed refrigeration system: 5 year, parts and labor. See pages 55-57 for parts and accessories.

# WIRELESS ENERGY MANAGEMENT DIGITAL THERMOSTAT

The LG Environmental Control Manager (ECM), a revolutionary environment management controller specifically designed for the hospitality industry, delivers unprecedented energy savings – without compromising guest comfort.

- ECM Kit includes the thermostat and the PTAC Control Card - with or
- Network Connection Kit includes Network Server, Network Node, Programming unit, USB Cable, RJ-45 Cable, 2 AAA Batteries.

### Touch-Screen Interface
Large, ADA compliant, touchscreen with automatic backlight and virtual buttons makes it easy for anyone to control the temperature with a touch of a finger.

### Energy Savings
Advanced energy management features use occupancy detection to completely eliminate unnecessary energy consumption without compromising guest comfort.

### Remote Management
Web-based, remote management application allows remote monitoring, configuration and statistical reporting from any computer connected to the internet.

### Occupancy Detection
Integrated occupancy sensor uses a combination of motion and thermal sensing technologies for 100% reliable occupancy detection.

### Wireless Networking
Built-in secure, wireless meshnetworking capability allows for rapid deployment, keeping installation costs to a minimum.

### Full HVAC Compatibility
Comprehensive configuration options ensure full interoperability with virtually any hospitality HVAC system - existing or emerging.

PTAC Control Card

Network Server

Network Node

Programming Unit

Monitor power use and calculate cost of operation

Pre-program up to 4 temperature and fan operation mode changes daily

**LG DUCT-FREE SPLIT SYSTEMS** Part# : DFSWLWT0A
**ADDITIONAL COMFORT AND CONTROL FEATURES***

- **Versatile 7-day, 4-events-per-day program** with a selectable temperature set point and fan mode for each event.
- **Convenient "Copy" option** duplicates daily settings to simplify the set-up of a custom, 7-day program.
- **"Filter Monitor"** ensures that airflow is maximized by notifying the user to clean the air filter at regular intervals.
- **"Energy Watch"** monitors power consumption (kWh) and calculates the actual dollar cost of operating the LG Mini-Split Air Conditioner over a selected time period.

*Applicable to 36V DC indoor models only.





## PARTS & ACCESSORIES

| Description | Model # |
|---|---|
| 42" Wall Sleeve | AYSVB01A |
| 42" Stamped Aluminum Rear Grille | AYRGALA01 |
| Architecture Grille - Aluminum | AYAGALA01A |
| Architecture Grille - Dark Bronze | AYAGALB01A |
| Architecture Grille - Soft Dove | AYAGALC01A |

| Description | Model # |
|---|---|
| Wireless ECM with Humidity Kit | PYRCUCC1HA |
| Network Connection Kit | PYNTU0A |
| EMS/Front Desk Control Connection Kit | AYFD101 |
| Sub Base 20A 230/208V | AYSB1101A |
| Sub Base 30A 230/208V | AYSB2101A |
| Sub Base 20A 265V | AYSB3101A |
| Sub Base 30A 265V | AYSB4101A |
| Fuse Holder Kit (230V, 30A) | AYFH1401 |
| Hard Wire Kit | AYHW101 |

| Description | Model # |
|---|---|
| Condensate Disposal Kit 230/208V | AYCD2101 |
| Condensate Drain Kit | AYDR101 |
| Lateral Duct Kit | AYLD1A |
| Leveling Legs | AYLL101 |
| Control Panel Key Lock | AYCP101 |
| Built-in Control Cover Kit - 10 Pack | AYRE110 |
| Replacement Filter - 10 Pack | AYFT110 |
| Hydronic/Steam Heat Coil Kit 230/208V/265V | PYHSK1A |
| Hydronic Valve 230/208V NC 1/2" | PYHV1A |
| Hydronic Valve 265V NC 1/2" | PYHV2A |
| Steam Valve 230/208V NC 1/2" | PYSV1A |
| Steam Valve 265V NC 1/2" | PYSV2A |

42" Wall Sleeve
AYSVB01A

42" Stamped Aluminum Grille
AYRGALA01

Architecture Grille - Aluminum
AYAGALA01A

Architecture Grille - Dark Bronze
AYAGALB01A

Architecture Grille - Soft Dove
AYAGALC01A

Wireless Environmental Control Manager (ECM) with Occupancy Sensor PYRCUCC2A
For technical support, call 866-908-6864, press#2

Digital Wired Wall Thermostat
PYRCUCA0A

EMS/Front Desk Control Connection Kit
AYFD101

Fuse Holder Kit
AYFH1401

Hardwire Kit
AYHW101

Condensate Disposal Kit
AYCD2101

Condensate Drain Kit
AYDR101

## PARTS & ACCESSORIES

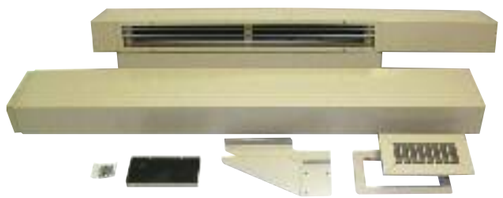
Hydronic/Steam Heat Coil Kit
PYHSK1A – 230/208V/265V

Hydronic Valve
PYHV1A – 230/ 208V
PYHV2A – 265V

Steam Valve
PYSV1A – 230/208V
PYSV2A – 265V

| CFM | Heating BTUs | |
|---|---|---|
| | Hydronic | Steam |
| 270 | 14,500 | 18,500 |
| 300 | 15,500 | 19,500 |
| 335 | 16,500 | 21,000 |
| 355 | 17,000 | 21,500 |
| 390 | 17,500 | 22,000 |
| 420 | 18,500 | 23,500 |

Based on ARI test condition of 70ºF DB / 60ºF WB,
200ºF EWT, 20ºF DT, 70ºF EAT, 2 psig steam, 70ºF EWT



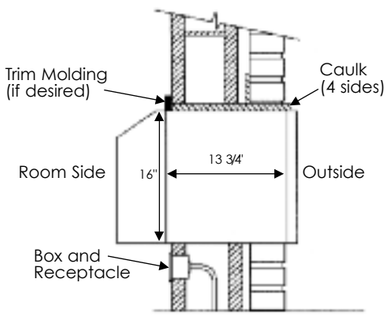
Lateral Duct Kit
AYLD1A

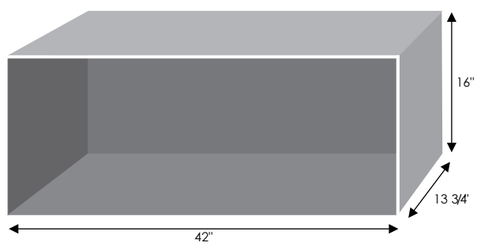
Control Panel Key Lock
AYCP101

Leveling Legs
AYLL101

Replacement Filter 10-Pack
AYFT110

### Installation • Quick Reference








# THROUGH-THE-WALL AIR CONDITIONERS

LG's Through-The-Wall models offer versatile, energy efficient solutions for residential and light commercial applications.

Some of LG's Through-The-Wall models are ENERGY STAR® qualified, an important feature for energy conscious customers. All feature Gold Fin™ Technology which protects the unit from the corrosive effects of the salt air and extend the operating life.

BTU sizes range from 8,000–14,000, and both cooling only and heat/cool models are offered. Also, the standard size chassis fits into any competitive wall sleeve, allowing for an easy upgrade for an existing system.

## TTW Features & Benefits

**Gold Fin™ Anti-Corrosion**
Protects the unit from the corrosive effects of outside air and extends the operating life of TTW models.

**Push Button Shift Mode**
Allows you to switch between cool and heat with ease.

**12 Hour On/Off Timer** Allows you to set the number of hours you'd like the unit to run, up to 12 Hours.

**Auto Sleep Mode**
Automatically increases the temperature setting 2° F twice (after 1/2 hour and one hour). The interior unit shuts off when the timer setting is reached.

**Auto Restart**
Automatically restarts a unit to programmed setting when the electricity comes on after a power failure.

**Remote Control**
Easy to use Wireless Remote Control.

**Trim Kit**
Unit has a nice, finished look when placed into an existing wall sleeve.

ENERGY STAR

**Warranty : 5 years parts, labor, and compressor.**
**See page 61 for electrical specifications and accessories.**

## THROUGH-THE-WALL AIR CONDITIONERS

### 8,000-14,000 BTUs

C **LT081CER** (A/C Model)
8,000 BTUs Cooling

**LT101CNR**(A/C Model)
9,800 BTUs Cooling

**LT103CER** (A/C Model)
10,000 BTUs Cooling

**LT121CNR** (A/C Model)
11,500 BTUs Cooling

**LT123CNR** (A/C Model)
11,500 BTUs Cooling

**LT143CNR** (A/C Model)
13,000 BTUs Cooling

FEATURES:

- Gold Fin™ anti-corrosion treatment
- Cooling mode
- Fan mode
- Auto sleep mode
- Auto restart
- 12-Hour on/off timer

System Includes:
- Wall unit
- Remote control and batteries
- Installation manual
- Trim Kit

UL# : SA7244

| System Model # | | LT081CER | LT101CNR | LT103CER | LT121CNR | LT123CNR | LT143CNR |
|---|---|---|---|---|---|---|---|
| **Performance** | | | | | | | |
| Capacity (BTUs) | C | 8,000 | 9,800 | 10,000/9,800 | 11,500 | 11,500/11,200 | 13,000/12,600 |
| EER | | 9.6 | 8.8 | 9.4/9.4 | 8.8 | 8.8/8.8 | 8.5/8.5 |
| Energy Star | | ✓ | | ✓ | | | |
| Air Circulation (CFM H/L) | | 260/220 | 285/225 | 285/225 | 290/230 | 290/230 | 310/250 |
| Fan Speeds (Cooling/Fan) | | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 |
| Dehumidification (pts/hr) | | 2.2 | 3.2 | 3.2 | 3.8 | 3.8 | 4.0 |
| Indoor dB(A)* | | 49/46 | 51/48 | 51/48 | 52/49 | 52/49 | 53/50 |
| Outdoor dB(A)* | | 59 | 60 | 60 | 61 | 61 | 62 |
| **Electrical** | | | | | | | |
| Rated Voltage | | 115-60-1 | 115-60-1 | 230/208-60-1 | 115-60-1 | 230/208-60-1 | 230/208-60-1 |
| Circuit Breaker (A) | | 15 | 15 | 15 | 15 | 15 | 15 |
| **Dimensions** | | 24 x | 24 x | 24 x | 24 x | 24 x | 24 x |
| W x H x D (inches) | | 14 13/32 x 20 3/32 | 14 13/32 x 20 3/32 | 14 13/32 x 20 3/32 | 14 13/32 x 20 3/32 | 14 13/32 x 20 3/32 | 14 13/32 x 20 3/32 |
| Weight (lbs.) | | 73.0 | 78.0 | 78.0 | 80.0 | 80.0 | 87.0 |
| **Thermostat Range** | | | | | | | |
| Cooling (°F) | | 60-86 | 60-86 | 60-86 | 60-86 | 60-86 | 60-86 |

*LG verified sound rating



Warranty : 5 years parts, labor, and compressor.
See page 61 for electrical specifications and accessories.

## THROUGH-THE-WALL AIR CONDITIONERS

### 10,000-12,000 BTUs

C H **LT103HNR** (H/C Model)
10,000 BTUs Cooling & Heating

**LT123HNR** (H/C Model)
11,500 BTUs Cooling & Heating

FEATURES:

- Gold Fin™ anti-corrosion treatment
- Cooling mode
- Heating mode
- Fan mode
- Auto sleep mode
- Auto restart
- 12-Hour on/off timer

System Includes:
- Wall unit
- Remote control and batteries
- Installation manual
- Trim Kit

UL# : SA7244

| System Model # | | LT103HNR | LT123HNR |
|---|---|---|---|
| **Performance** | | | |
| Capacity (BTUs) | C | 10,000/9,800 | 11,500/11,200 |
| | H | 11,200/9,200 | 11,200/9,200 |
| EER | | 9.4/9.4 | 8.8/8.8 |
| Air Circulation (CFM H/L) | | 285/225 | 290/230 |
| Fan Speeds (Cooling/Heating/Fan) | | 2/2/2 | 2/2/2 |
| Dehumidification (pts/hr) | | 3.2 | 3.8 |
| Indoor dB(A)* | | 51/48 | 52/49 |
| Outdoor dB(A)* | | 60 | 61 |
| **Electrical** | | | |
| Rated Voltage | | 230/208-60-1 | 230/208-60-1 |
| Circuit Breaker (A) | | 20 | 20 |
| **Dimensions** | | 24 21/32 x | 24 21/32 x |
| W x H x D (inches) | | 14 13/32 x 19 21/32 | 14 13/32 x 19 21/32 |
| Weight (lbs.) | | 78.0 | 80.0 |
| **Thermostat Range** | | | |
| Cooling/Heating (°F) | | 60-86/54-86 | 60-86/54-86 |

*LG verified sound rating

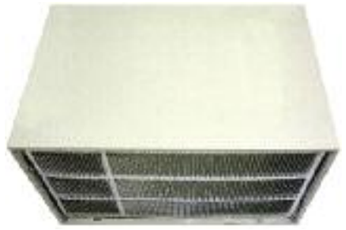
Warranty : 5 years parts, labor, and compressor.
See page 61 for electrical specifications and accessories.

## OPTIONAL ACCESSORIES

| Description | Model # |
|---|---|
| 26" Wall Sleeve | AXSVA1 |
| Stamped Aluminum Grille | AXRGALA01 |
| Wall Sleeve with Stamped Aluminum Grille | AXSVA4 |
| Architectural Grille | AXAGALA01A |

Wall Sleeve
AXSVA1

Stamped Aluminum Grille
AXRGALA01



Wall Sleeve with Stamped
Aluminum Grill
AXSVA4

Architectural Grille
AXAGALA01A(Aluminum Color)

Also Available in dark bronze
and soft dove color.
Please contact Ruskin Company
at 1-800-239-4621 for more
information

| Sleeve Dimensions of Major Brands (inches) | Friedrich USC Sleeve | GE | Amana | Whirlpool Fedders | Frigidaire | LG |
|---|---|---|---|---|---|---|
| Height | 15 17/32 | 15 5/8 | 15 5/8 | 15 3/4 | 15 7/16 | 15 17/32 |
| Width | 25 7/8 | 26 | 26 | 26 3/4 | 25 7/8 | 25 7/8 |
| Depth | 16 23/32 | 16 7/8 | 16 7/8 | 15 | 18 | 16 23/32 |

Inside dimension of LG Sleeve (W x H x D, inches): 25 5/16 x 14 7/8 x 15 5/16





## 7,000-24,000 BTUs

(C) (H) **LW7010HR** (H/C Model)
7,000 BTUs Cooling & Heating

**LW1210HR** (H/C Model)
12,000 BTUs Cooling & Heating

**LW1810HR** (H/C Model)
18,000 BTUs Cooling & Heating

**LW2410HR** (H/C Model)
23,500 BTUs Cooling & Heating

### FEATURES:

- **Cooling mode**
- **Heating mode**
- **Fan mode**
- **Auto sleep mode**
- **Auto restart**
- **12-Hour on/off timer**

System Includes:
- **Window unit**
- **Remote control and batteries**
- **Installation manual**

**UL SA7244**

| System Model # | | LW7010HR | LW1210HR | LW1810HR | LW2410HR |
|---|---|---|---|---|---|
| **Performance** | | | | | |
| Capacity (BTUs) | (C) | 7,000 | 12,000/11,500 | 18,000/17,500 | 23,500/23,000 |
| | (H) | 3,850 | 11,200/9,200 | 12,000/9,800 | 11,600/9,400 |
| EER | | 9.7 | 9.8/9.8 | 9.7/9.7 | 8.5/8.5 |
| Air Circulation (CFM ) | | 205 | 265 | 430 | 560 |
| Fan Speeds (Cooling/Heating/Fan) | | 2/2/2 | 2/2/2 | 2/2/2 | 2/2/2 |
| Dehumidification (pts/hr) | | 2.3 | 3.3 | 5.5 | 6.5 |
| Indoor dB(A)* | | 49 | 51 | 55 | 64 |
| Outdoor dB(A)* | | 54 | 57 | 63 | 69 |
| **Electrical** | | | | | |
| Rated Voltage | | 115-60-1 | 230/208-60-1 | 230/208-60-1 | 230/208-60-1 |
| Circuit Breaker (A) | | 20 | 20 | 20 | 20 |
| **Dimensions** | | 18 9/16 x | 23 5/8 x | 26 x | 26 x |
| W x H x D (inches) | | 13 7/8 x | 14 31/32 x | 16 27/32 x | 16 27/32 x |
| | | 20 11/16 | 22 1/16 | 30 5/16 x | 30 5/16 x |
| Weight (lbs.) | | 60.0 | 87.0 | 136.0 | 146.0 |
| **Thermostat Range** | | | | | |
| Cooling/Heating (°F) | | 60-86 | 60-86 | 60-86 | 60-86 |

*LG verified sound rating

**Warranty : 5 years parts, labor, and compressor.**

Memo



Memo